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PENNSYLVANIA

VITAL STATISTICS 1990

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PENNSYLVANIA VITAL STATISTICS ANNUAL REPORT, 1990

DEPARTMENT OF HEALTH

STATE HEALTH DATA CENTER
HARRISBURG, PA

January, 1992

The mission of the Pennsylvania Department of Health is to develop an effective public health system which promotes the optimal health of Pennsylvania's citizens and reduces their need for medical care by:

- Assisting citizens to adopt healthful behaviors, eliminating preventable illness,
- Reducing the severity of illness and disability,
- Facilitating access to high quality health care in the appropriate setting and
- Identifying and eliminating health hazards.

The Pennsylvania Department of Health is an equal opportunity provider of grants, contracts, services, and employment.

PREFACE

This publication of 1990 vital statistics for Pennsylvania was prepared by the Division of Health Statistics and Research of the State Health Data Center, Pennsylvania Department of Health.

This 1990 report incorporates several changes from the 1989 edition. Most of the changes made to this 1990 report were developed in accordance with recommendations made by staff and others who commented on the content of previous reports and as a result of recent, major revisions to our data collection instruments. We thank our users for any compliments and suggestions and encourage their contributions.

The major change to the 1990 report involves the use of white and black categories for race, in place of the white and all other races categories used in previous editions. In the past, the lack of black population estimates for intercensal years and the fact that blacks accounted for the vast majority of "nonwhites" in the state, prompted us to maintain the historical use of white and all other races. However, 1990 census figures have revealed that, although Pennsylvania's black population had grown between 1980 and 1990, other racial minorities had also grown, at even higher rates. Therefore, Pennsylvania's "nonwhite" population had become too diverse to use as a single racial category. Also, the State Data Center of the Pennsylvania State University at Harrisburg who produces the intercensal population estimates used in our reports has agreed to begin and continue creating annual black population estimates, starting with 1991. This will enable us to continue publishing vital statistics for Pennsylvania's black population in future editions.

Another major change involves the addition of vital statistics for Pennsylvania residents of Hispanic origin. Since 1990 was a census year, population data for this ethnic group were available, and we decided to include numbers and rates for this growing segment of Pennsylvania's population. Population estimates for intercensal years may not be available for Hispanics but we will continue to show numbers and some rates, such as infant death rates that do not require the use of population data. We hope these changes will provide new, better perspectives on the vital events that Pennsylvanians experience.

The State Health Data Center welcomes comments and suggestions on the content and format of this report. The State Health Data Center staff is available to answer questions regarding the report, including utilization and limitations of the data. Additional statistics not contained in this report are available upon request. See Appendix B for a detailed list.

Please address all comments, questions, requests for data, etc. to:

STATE HEALTH DATA CENTER
PENNSYLVANIA DEPARTMENT OF HEALTH
P.O. BOX 90
HARRISBURG, PA 17108

(717) 783-2548

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POPULATION

1990 POPULATION STATISTICS

Data Highlights.....

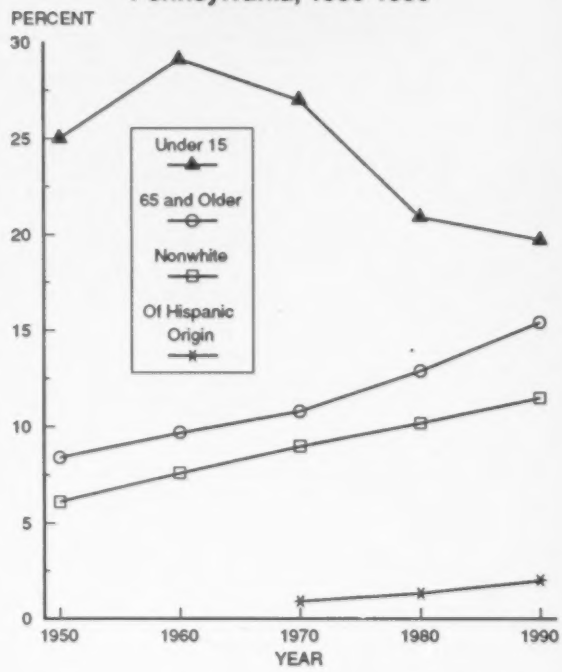
THE STATE

Total Population: The 1990 U.S. Bureau of the Census enumerated figures indicate that Pennsylvania's resident population was 11,881,643 – an increase of only 17,748 persons or 0.1 percent from the 1980 enumerated figure of 11,863,895. Pennsylvania's population has increased by just under 1.4 million from the 1950 census enumerated figure of 10,498,012. However, over half of that increase occurred between 1950 and 1960. From 1960 to 1970, the state's population increased by just under 500,000, but, from 1970 to 1980, there was only an increase of approximately 70,000 persons.

Pennsylvania's total population has remained relatively stable since 1970. However, some changes have occurred in the demographic make-up of Pennsylvania's residents. As discussed below and shown in the line graph to the right, there are many more elderly and nonwhites and fewer children in the 1990 population, compared to 1950. Also, the number of Hispanics in the state has increased since 1970, the first year such information was collected.

Population by Age: The major change in the make-up of Pennsylvania's population since 1950 has been the large increase in the number of elderly persons (age 65 and older). The percent of elderly in the state almost doubled, from 8.4 percent in 1950 to 15.4 percent in 1990, while the percentage of the population under 15 years of age decreased by 21.1 percent, from 25.0 percent to 19.7 percent. Also, in 1950, the median age of the state's residents was 31.3. By 1980, it had increased only slightly to 32.1; however, by 1990, the median age had already increased to 35.0. Among all states, Pennsylvania's median age and percentage of elderly are usually exceeded only by Florida.

Selected Population Characteristics
Percent Distribution
Pennsylvania, 1950-1990

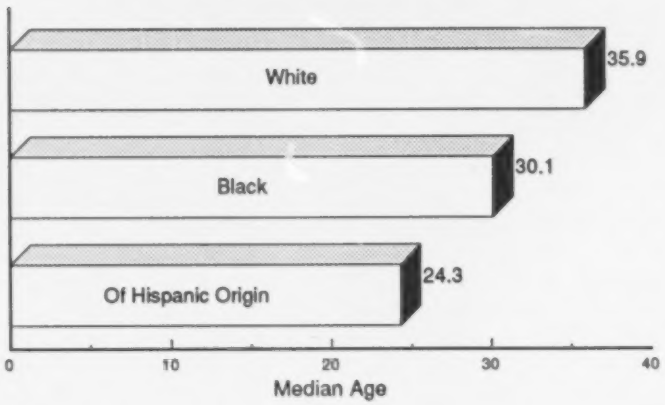


Population by Race: Races other than white made up 11.5 percent of the total population in 1990, compared to 9.6 percent in 1980 and 6.1 percent in 1950. Of the 1,361,442 nonwhite residents in 1990, 80.0 percent were black. The number of whites in the state decreased by 132,119 or 1.2 percent between 1980 and 1990 while the number of blacks increased by 42,985 or 4.1 percent. Even though the percentage of the nonwhite population in Pennsylvania has increased to 11.5, that figure is still somewhat below the 1990 percentage of 19.7 for the United States.

Children under 15 years of age accounted for 18.9 percent of the 1990 white population in the state, compared to 24.7 percent for blacks. Also, 10.4 percent of the black population was 65 years of age or older in 1990. Among whites, 16.2 percent were 65 or older. These figures reflect the fact that the median age among whites in 1990 was 35.9, compared to 30.1 for blacks.

Hispanic Population: Residents of Hispanic origin numbered 232,262 in 1990. In 1980, 153,961 were counted in the census. This represents an increase of almost 51 percent between 1980 and 1990. The number of persons of Spanish descent were counted in the 1970 census and 108,893 were living in Pennsylvania. However, the 1970 figure is not considered to be as accurate a count of the Hispanic community as the 1980 and 1990 figures.

Median Age by Race and Hispanic Origin
Pennsylvania Population, 1990



Hispanics in Pennsylvania tend to be much younger than whites and blacks. As shown in the bar chart above, the 1990 median age of Hispanic residents was 24.3, much lower than the 35.9 recorded for whites and somewhat lower than the 30.1 for blacks. (Please note that Hispanic origin is an indicator of ethnicity and is not to be used for racial categorization. A resident of Hispanic origin can be of any race. Figures for Hispanic residents are broken out separately in this report from the figures for whites and blacks to provide more information about Pennsylvania's changing population and they should never be added to the racial figures for an "all races" total.)

Population by Sex: Both the total female and male populations remained almost unchanged between 1980 and 1990, with only very slight increases in the number of both males and females. Females made up 52.1 percent of the 1990 population, outnumbering males by almost 500,000. The median age for males in 1990 was 33.5, compared to 36.6 for females. Population declines between 1980 and 1990 occurred in the age groups under 1 (12.1 percent), 5-29 (14.1 percent) and 50-64 (15.8 percent). The largest population increases between 1980 and 1990 occurred within the age groups of 30-44 (29.0 percent) and 70 and over (24.6 percent).

Age/Sex Profile: The profile of Pennsylvania's estimated 1990 population by age and sex (Figure A-2) visibly demonstrates the effects of several major factors – the lower birth rates that have prevailed for the last 15 years, the baby boom which followed World War II and lasted into the mid-1960's, the low birth rates of the 1930's, and the large mortality differential between males and females in the later years of life.

COUNTIES

Percent Change 1980-1990: Of the 67 counties, 35 experienced population losses and 32 had population increases between 1980 and 1990, as compared to 10 and 57, respectively, between 1970 and 1980. Almost 52 percent of the population losses occurred in two counties – Allegheny and Philadelphia. The number and percentage decrease in population was 113,636 and 7.8 percent for Allegheny County and 102,633 and 6.1 percent for Philadelphia County. Six other counties (Beaver, Cambria, Fayette, Luzerne, Washington, and Westmoreland) accounted for almost another 25.0 percent of the losses. Nine counties had a growth rate above 10.0 percent between 1980 and 1990 – Pike (53.1), Monroe (37.9), Chester (18.9), Lancaster (16.7), Perry (15.3), Adams (14.6), Wayne (13.4), Bucks (12.9), and Union (10.1).

As the state map (Figure A-3) of percent population change by county demonstrates, the northeastern, southeastern and southcentral regions of the state accounted for most of the population gains from 1980 to 1990. Only one county in the western part of the state had an increase in population between 1980 and 1990 – Butler (2.8 percent).

MUNICIPALITIES

Percent Change 1980-1990: Of the 23 municipalities listed in this report, only six experienced a percentage increase in population between 1980 and 1990. Except for State College with a 7.7 percent gain in population, the increases among the municipalities were modest – Lancaster (1.5 percent), Bethlehem (1.4 percent), Allentown (1.3 percent), Easton (1.0 percent), and Plum (0.9 percent). Population losses of 10.0 percent and above occurred in five municipalities, all but one in the western part of the state – Johnstown (20.7 percent), McKeesport (16.1 percent), New Castle (15.7 percent), Pittsburgh (12.8 percent), and Norristown (11.3 percent).

NOTE: Since Philadelphia is a city/county, figures for that municipality appear in both county and municipality tables for the user's convenience. See the *Technical Notes* section in the back of this report for qualifications and selection criteria regarding the population data shown in this section.

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TABLE A-1
POPULATION* IN PENNSYLVANIA, 1950-1990

YEAR	POPULATION	YEAR	POPULATION	YEAR	POPULATION
1990	11,881,643	1976	11,862,000	1962	11,376,000
1989	12,040,102	1975	11,828,200	1961	11,468,000
1988	12,002,236	1974	11,835,400	1960	11,319,366
1987	11,936,396	1973	11,902,000	1959	11,323,000
1986	11,889,165	1972	11,926,000	1958	11,101,000
1985	11,863,672	1971	11,879,000	1957	11,166,000
1984	11,900,701	1970	11,793,909	1956	11,132,000
1983	11,894,700	1969	11,803,000	1955	11,132,000
1982	11,885,330	1968	11,755,400	1954	10,895,800
1981	11,870,960	1967	11,646,000	1953	10,829,100
1980	11,863,895	1966	11,637,900	1952	10,733,700
1979	11,730,500	1965	11,535,200	1951	10,594,900
1978	11,749,900	1964	11,459,000	1950	10,498,012
1977	11,785,200	1963	11,424,000		

*1950, 1960, 1970, 1980 AND 1990 POPULATIONS AS ENUMERATED BY THE U.S. BUREAU OF THE CENSUS. THE 1981 THROUGH 1989 ESTIMATED POPULATIONS AS PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG. ESTIMATED POPULATIONS FOR ALL OTHER YEARS AS PREPARED BY THE PENNSYLVANIA OFFICE OF STATE PLANNING AND DEVELOPMENT.

FIGURE A-1
POPULATION, PERCENT BY AGE GROUP
PENNSYLVANIA, 1950, 1960, 1970, 1980, AND 1990

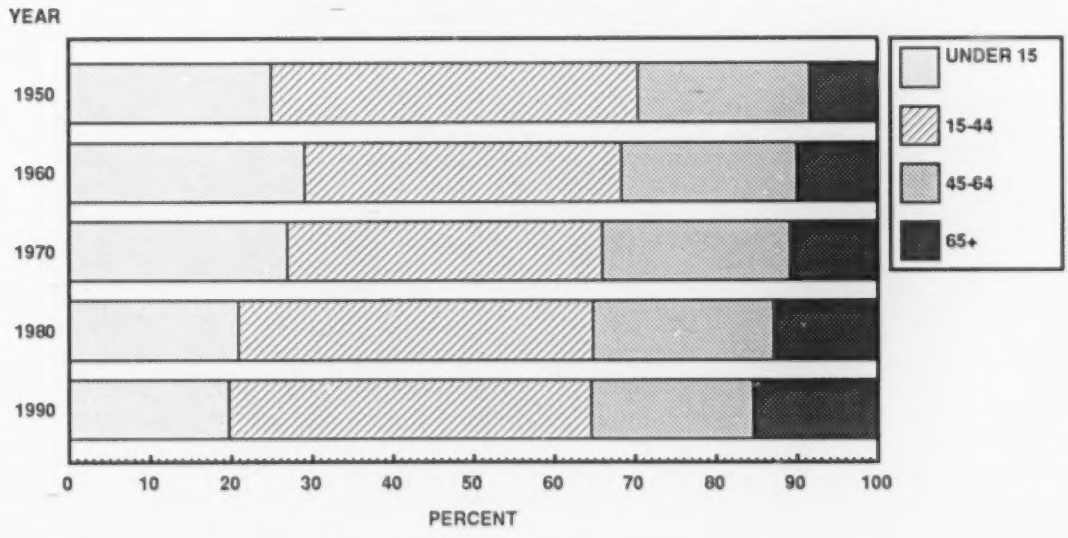


TABLE A-2
POPULATION BY AGE, RACE, AND HISPANIC ORIGIN
PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE	BLACK	
ALL AGES	11,881,643	10,520,201	1,089,795	232,262
UNDER 1 YEAR	139,208	118,104	16,390	4,733
1-4	657,850	552,630	81,214	22,415
5-9	788,301	674,557	86,640	23,825
10-14	755,161	644,271	85,474	22,676
15-19	818,058	701,466	89,445	22,403
20-24	863,007	745,103	90,354	23,237
25-29	920,217	801,534	92,890	22,482
30-34	992,239	873,447	94,318	20,576
35-39	923,018	819,071	82,602	16,753
40-44	821,849	734,545	68,831	13,489
45-49	656,083	589,612	52,865	9,792
50-54	557,762	501,316	46,623	7,432
55-59	552,378	501,046	44,115	6,197
60-64	607,406	557,877	44,205	5,106
65-69	590,557	545,542	41,094	4,048
70-74	479,464	447,723	29,259	2,894
75-79	361,306	338,483	21,107	2,056
80-84	225,943	212,614	12,393	1,254
85 AND OVER	171,836	161,260	9,976	894

SOURCE: 1990 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE A-3
POPULATION BY AGE AND SEX: PENNSYLVANIA, 1980 AND 1990

AGE GROUP (IN YEARS)	BOTH SEXES		MALE		FEMALE	
	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION
ALL AGES	11,881,643	11,863,895	5,694,265	5,682,590	6,187,378	6,181,305
UNDER 1 YEAR	139,208	158,327	71,216	80,893	67,992	77,434
1-4	657,850	589,131	337,916	301,378	319,934	287,753
5-9	788,301	805,151	404,354	412,460	383,947	392,691
10-14	755,161	931,891	386,452	476,210	368,709	455,681
15-19	818,058	1,080,610	415,738	545,210	402,320	535,400
20-24	863,007	1,059,815	430,315	522,900	432,692	536,915
25-29	920,217	945,051	455,105	468,512	465,112	476,539
30-34	992,239	847,847	489,019	416,215	503,220	431,632
35-39	923,018	682,283	456,698	330,811	466,320	351,472
40-44	821,849	591,789	403,648	284,324	418,201	307,465
45-49	656,083	600,257	318,489	286,858	337,594	313,399
50-54	557,762	695,755	266,989	329,850	290,773	365,905
55-59	552,378	712,074	260,268	332,033	292,110	380,041
60-64	607,406	632,981	279,697	289,152	327,709	343,829
65-69	590,557	537,045	260,393	235,802	330,164	301,243
70-74	479,464	407,020	199,559	166,668	279,905	240,352
75-79	361,306	282,000	137,547	104,968	223,759	177,032
80-84	225,943	174,908	75,022	59,328	150,921	115,580
85 AND OVER	171,836	129,960	45,840	39,018	125,996	90,942

SOURCE: 1980 AND 1990 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.

FIGURE A-2
POPULATION BY AGE AND SEX
PENNSYLVANIA, 1990

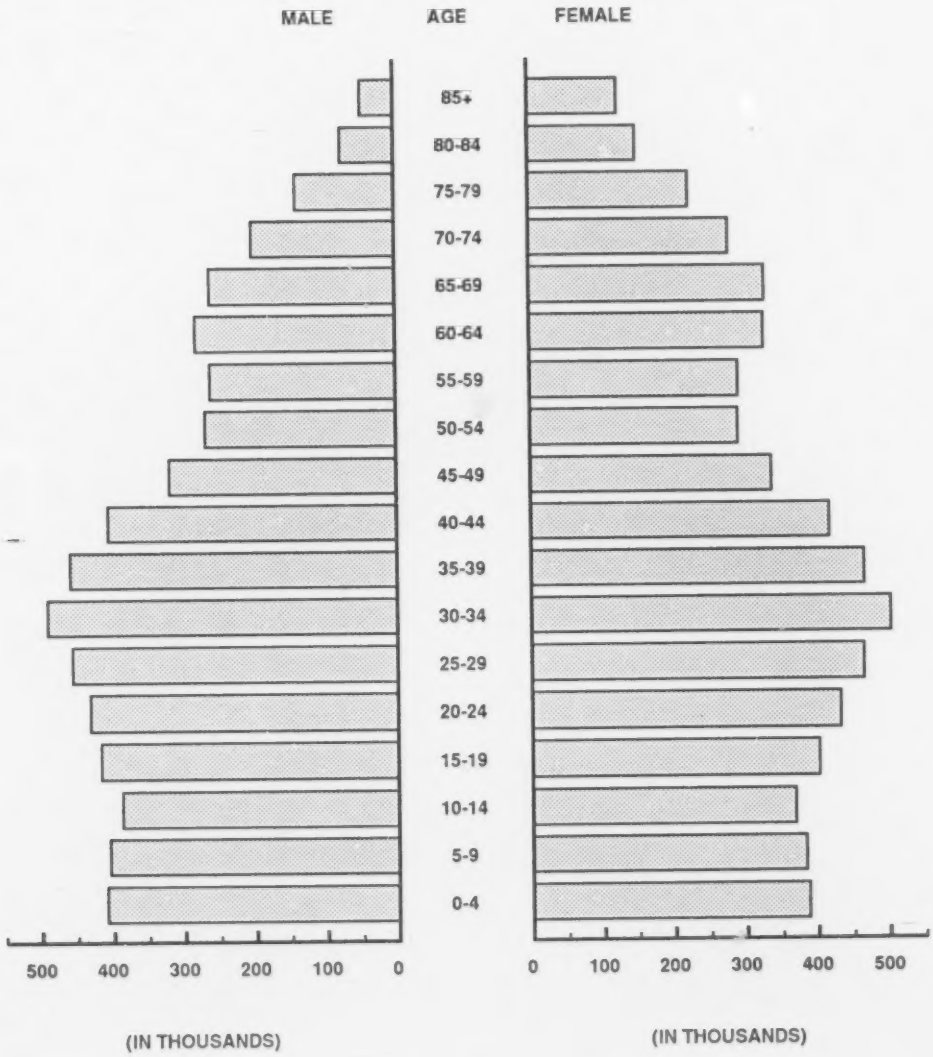
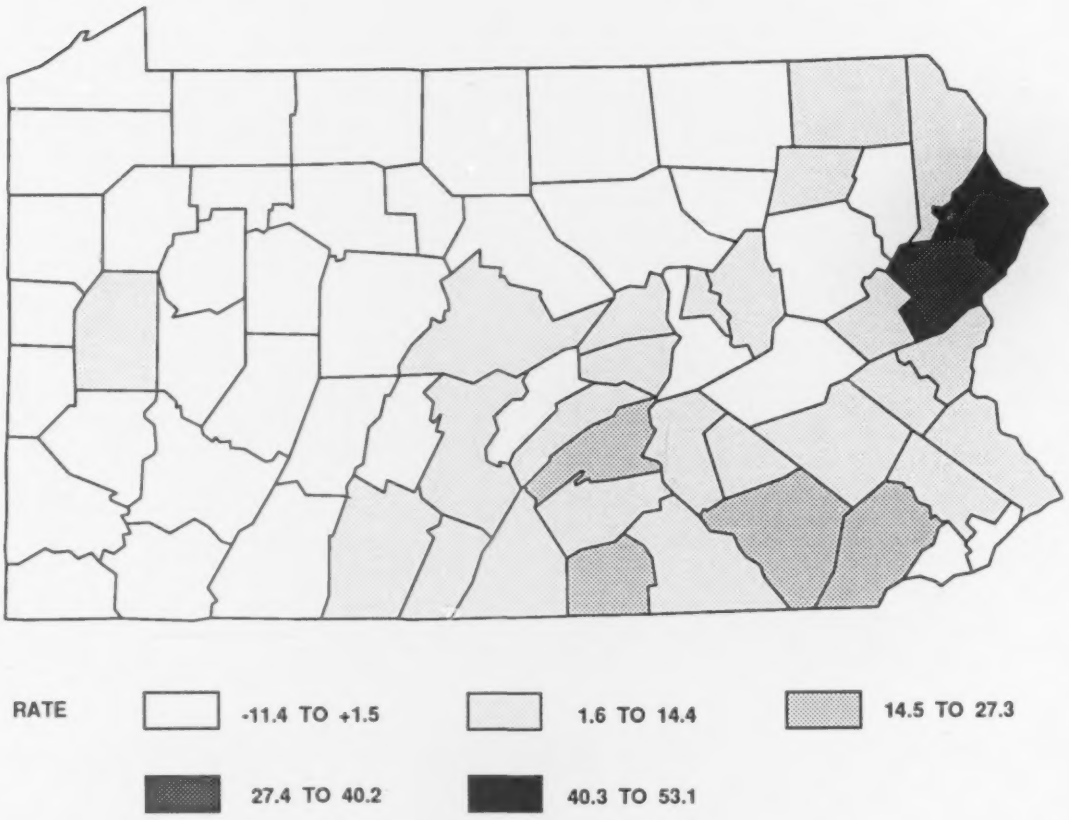


TABLE A-4
POPULATION BY COUNTY: PENNSYLVANIA, 1980 AND 1990

COUNTY	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1990	COUNTY	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1990
ALL COUNTIES	11,881,643	11,863,895	0.1				
ADAMS	78,274	68,292	14.6	LACKAWANNA	219,039	227,908	-3.9
ALLEGHENY	1,336,449	1,450,085	-7.8	LANCASTER	422,822	362,346	16.7
ARMSTRONG	73,478	77,768	-5.5	LAWRENCE	96,246	107,150	-10.2
BEAVER	186,093	204,441	-9.0	LEBANON	113,744	108,582	4.8
BEDFORD	47,919	46,784	2.4	LEHIGH	291,130	272,349	6.9
BERKS	336,523	312,509	7.7	LUZERNE	328,149	343,079	-4.4
BLAIR	130,542	136,621	-4.4	LYCOMING	118,710	118,416	0.2
BRADFORD	60,967	62,919	-3.1	MCKEAN	47,131	50,635	-6.9
BUCKS	541,174	479,211	12.9	MERCER	121,003	128,299	-5.7
BUTLER	152,013	147,912	2.8	MIFFLIN	46,197	46,908	-1.5
CAMBRIA	163,029	183,263	-11.0	MONROE	95,709	69,409	37.9
CAMERON	5,913	6,674	-11.4	MONTGOMERY	678,111	643,621	5.4
CARBON	56,846	53,285	6.7	MONTOUR	17,735	16,675	6.4
CENTRE	123,786	112,760	9.8	NORTHAMPTON	247,105	225,418	9.6
CHESTER	376,396	316,660	18.9	NORTHUMBERLAND	96,771	100,381	-3.6
CLARION	41,699	43,362	-3.8	PERRY	41,172	35,718	15.3
CLEARFIELD	78,097	83,578	-6.6	PHILADELPHIA	1,585,577	1,688,210	-6.1
CLINTON	37,182	38,971	-4.6	PIKE	27,966	18,271	53.1
COLUMBIA	63,202	61,967	2.0	POTTER	16,717	17,726	-5.7
CRAWFORD	86,169	88,869	-3.0	SCHUYLKILL	152,585	160,630	-5.0
CUMBERLAND	195,257	178,541	9.4	SNYDER	36,680	33,584	9.2
DAUPHIN	237,813	232,317	2.4	SOMERSET	78,218	81,243	-3.7
DELAWARE	547,651	555,007	-1.3	SULLIVAN	6,104	6,349	-3.9
ELK	34,878	38,338	-9.0	SUSQUEHANNA	40,380	37,876	6.6
ERIE	275,572	279,780	-1.5	TIOGA	41,126	40,973	0.4
FAYETTE	145,351	159,417	-8.8	UNION	36,176	32,870	10.1
FOREST	4,802	5,072	-5.3	VENANGO	59,381	64,444	-7.9
FRANKLIN	121,082	113,629	6.6	WARREN	45,050	47,449	-5.1
FULTON	13,837	12,842	7.7	WASHINGTON	204,584	217,074	-5.8
GREENE	39,550	40,476	-2.3	WAYNE	39,944	35,237	13.4
HUNTINGDON	44,164	42,253	4.5	WESTMORELAND	370,321	392,294	-5.6
INDIANA	89,994	92,281	-2.5	WYOMING	28,076	26,433	6.2
JEFFERSON	46,083	48,303	-4.6	YORK	339,574	312,963	8.5
JUNIATA	20,625	19,188	7.5				

SOURCE: 1980 AND 1990 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.

FIGURE A-3
PERCENT POPULATION CHANGE BY COUNTY
PENNSYLVANIA, 1980 TO 1990



NOTE: STATE PERCENT IS 0.1.

TABLE A-5
POPULATION FOR SELECTED MUNICIPALITIES: PENNSYLVANIA, 1980 AND 1990

MUNICIPALITY	1990 ENUMERATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1990
ALLENTOWN	105,090	103,758	1.3
ALTOONA	51,881	57,078	-9.1
BETHEL PARK	33,823	34,755	-2.7
BETHLEHEM	71,428	70,419	1.4
CHESTER	41,856	45,794	-8.6
EASTON	26,276	26,027	1.0
ERIE	108,718	119,123	-8.7
HARRISBURG	52,376	53,264	-1.7
JOHNSTOWN	28,134	35,496	-20.7
LANCASTER	55,551	54,725	1.5
MCKEESPORT	26,016	31,012	-16.1
MONROEVILLE	29,169	30,977	-5.8
NEW CASTLE	28,334	33,621	-15.7
NORRISTOWN	30,749	34,684	-11.3
PHILADELPHIA	1,585,577	1,688,210	-6.1
PITTSBURGH	369,879	423,960	-12.8
PLUM	25,609	25,390	0.9
READING	78,380	78,686	-0.4
SCRANTON	81,805	88,117	-7.2
STATE COLLEGE	38,323	36,130	7.7
WILKES-BARRE	47,523	51,551	-7.8
WILLIAMSPORT	31,933	33,401	-4.4
YORK	42,192	44,619	-5.4

SOURCE: 1980 AND 1990 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

NATALITY

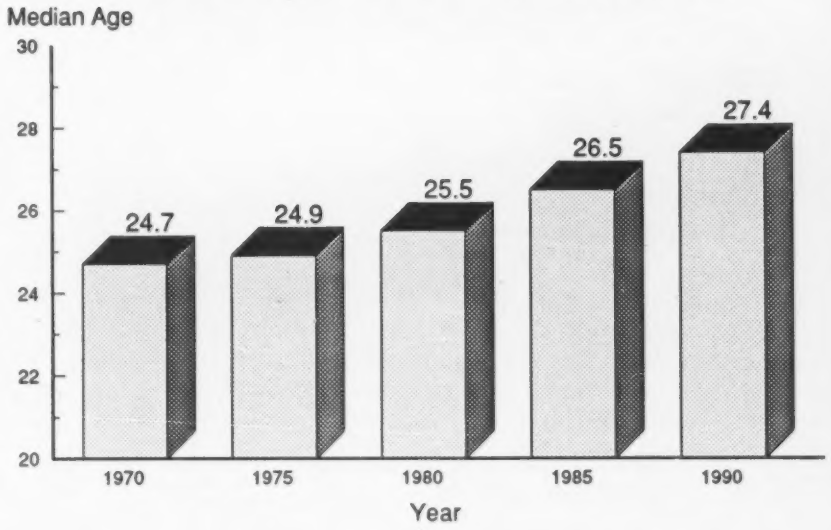
1990 NATALITY STATISTICS

Data Highlights.....

THE STATE:

Total Births: There were 171,053 resident live births reported in 1990 for Pennsylvania, an increase of 2,945 or 1.8 percent from the 168,108 recorded in 1989. This is the highest annual number of resident live births in nineteen years, since 1971, and is also the largest annual increase since 1985. This increase for 1990 is the sixth year in a row that the total number of resident live births for the state has risen. The 1990 birth rate per 1,000 population was 14.4 which is also the highest annual resident live birth rate recorded for the state since 1971.

Median Age of Mother, Resident Live Births
Pennsylvania, 1970, 1975, 1980, 1985 and 1990



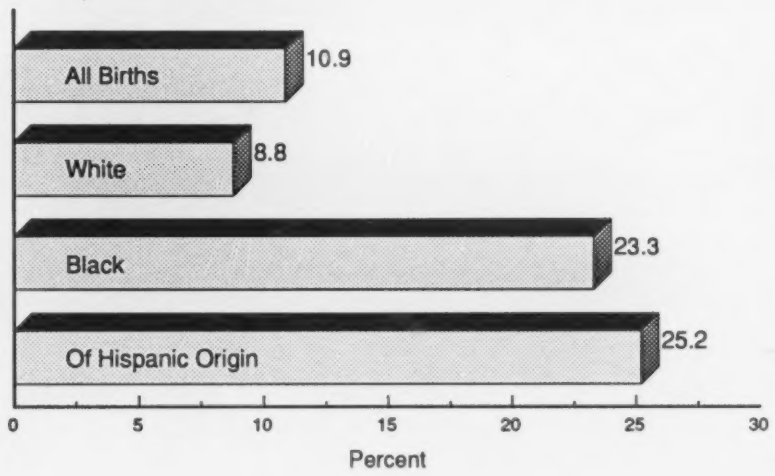
Fertility Rates: The 1990 general fertility rate of 63.6 live births per 1,000 females 15-44 years of age was somewhat higher than the 1989 rate of 61.0. The 1990 figure is the highest general fertility rate recorded for the state since 1972 when it was 66.3.

The 1990 total fertility rate (TFR) was 1872.5, the highest annual TFR since 1972 when it was 1892.5. This rate estimates the number of children a cohort of 1,000 females would bear if they all went through their childbearing years exposed to the age-specific birth rates in effect during that particular year. A TFR of 2000.0 indicates that, on the average, couples have produced at least two children to replace themselves. (See the *Definitions of Rates* section of the *Technical Notes* in the back of this report for more discussion of total fertility rates.) Pennsylvania's TFR has been under 2000.0 since 1972. However, it has remained relatively stable since then, although still below replacement level.

In comparing Pennsylvania birth and fertility rates with the United States rates back to 1950, Pennsylvania's rates have been consistently lower, even during the "babyboom" years of 1950 through 1964.

Age of Mother: As shown in the bar chart above, the median age of a Pennsylvania woman giving birth in 1990 was 27.4. In 1980, the median age was 25.5 and, in 1970, 24.7. Births to teenage mothers (under 20 years of age) accounted for 10.9 percent of all resident live births in 1990, compared to 13.9 in 1980 and 15.1 in 1970. The number of live births to mothers under 25 years of age has declined by 20.1 percent since 1980 and 40.8 percent since 1970. In 1970, mothers under 25 years of age accounted for 52.2 percent of all live births. In 1980, they accounted for 46.9 percent; however, by 1990, only 34.8 percent of all births were to mothers under 25 years of age. Total annual numbers and percentages of births to mothers 25-29 years of age (55,132 and 32.2 percent in 1990) have remained relatively constant since 1970. However, the number of births among mothers aged 30-44 years in 1990 has increased by 75.4 percent, compared to 1980 figures. Also, mothers aged 30-44 years accounted for 20.3 percent of the resident live births during 1980. By 1990, this age group was responsible for 33.0 percent (almost one-third) of all the resident live births recorded for the state.

Resident Live Births to Teenagers (Under 20)
Percent by Race and Hispanic Origin, Pennsylvania, 1990



The 1990 age-specific birth rates were lower for all age groups, compared to 1970 figures, except for females under 15 years of age and 30-34 years of age. However, the differences were very small, 0.8 in 1970 compared to 1.2 in 1990 for females under 15 and 75.7 in 1970 compared to 80.8 in 1990 for females 30-34 years of age. The general fertility rate per 1,000 females 15-44 years of age has decreased by 21.1 percent since 1970, from 80.6 to 63.6 in 1990. However, the 1990 rate was slightly higher than the corresponding rates for 1985 (58.8), 1980 (60.1), and 1975 (58.7).

Race and Hispanic Origin: NOTE: Persons of Hispanic origin can be of any race.

Births to black mothers in 1990 accounted for 14.9 percent of all births. Births to mothers of Hispanic origin accounted for only 3.3 percent. In 23.3 percent of the births to black mothers in 1990 and 25.2 percent of the births to Hispanic mothers, the mother was a teenager (under 20 years of age). Among whites in 1990, the percentage of teenage mothers giving birth was 8.8 percent. This is related to the fact (shown in the bar chart above) that the median age among white mothers was 27.8 while the median age of black mothers was 24.3 and, for Hispanic mothers, it was 23.5.

The 1990 birth rates or general fertility rates per 1,000 females aged 15-44 years by race and Hispanic origin of the mother were 53.9 percent higher for blacks and 58.9 percent higher for Hispanics than for whites. Rates broken down by five-year age groups and by race and Hispanic origin were also higher for blacks and Hispanics than whites in all the age groups except for females 30-39 years of age. Black mothers had higher birth rates than Hispanic mothers for all age groups except 20-24 year-olds and those 45 years of age and older. Birth rates for black and Hispanic mothers 15-19 years of age were over three and one-half times higher than for white mothers of the same ages.

Birth Weight: In 1990, 7.2 percent of the resident live births were classified as low birth weight (under 2,500 grams or 5 pounds 9 ounces). In 1985, the percentage was 6.6; in 1980, it had been 6.5. Infants of younger mothers, especially teenagers (9.9 percent) and mothers 20-24 years of age (7.6 percent), were more likely to be low birth weight than infants born to mothers aged 25 and older (6.6 percent). Female infants were more likely than males to be low birth weight (7.7 percent for females, 6.6 percent for males). The percentage of low birth weight babies born to black mothers in 1990 (15.3 percent) was much higher than the percentages for Hispanics (8.2) and whites (5.7).

Prenatal Care: Of the 171,053 births among residents in 1990, 78.1 percent received care during the first trimester (three months) of pregnancy. Less than two percent or 3,030 births were to mothers who had no prenatal care during their pregnancy. Among the births to teenage mothers, only 54.6 percent had received prenatal care in the first trimester, compared to 81.0 percent of the births to mothers 20 years of age and older. Births to mothers aged 30-34 had the highest percentage among all the maternal age groups for prenatal care received by the mother in the first three months of pregnancy (87.0 percent). Although only 10.9 percent of all resident live births were to teenage mothers, they accounted for 21.1 percent of the births to mothers who had no prenatal care. The mother's trimester of first prenatal visit was unknown in 3,185 (1.9 percent) of all resident live births in 1990.

The percentage of births to white mothers who had no prenatal care was 0.7 percent in 1990 but, among births to black mothers, the percentage was 7.9 – over eleven times higher than the figure for white mothers. The percentage among Hispanic mothers was 2.6. Over 83 percent of white mothers had obtained prenatal care in the first three months of pregnancy, compared to only 50.6 percent of the black mothers and 59.7 percent of the Hispanic mothers. Only 14.9

percent of all live births were to black mothers in 1990, yet these births were responsible for 66.4 percent of the births for which mothers had no prenatal care during their pregnancy.

Previous Pregnancies: During 1990, 32.0 percent of the resident live births were the result of the mother's first pregnancy. The corresponding figure in 1980 was 37.4 percent. Among the 1990 births to teenage mothers (under 20 years of age), 32.8 percent had a history of at least one previous pregnancy.

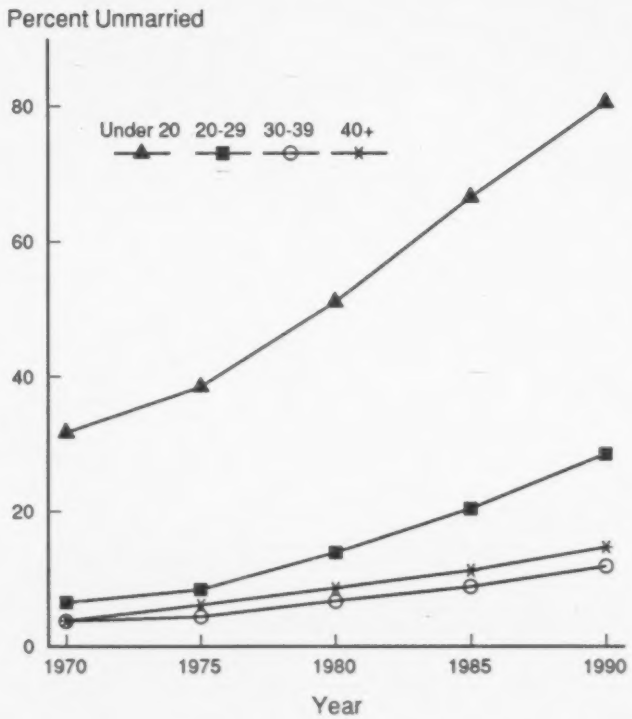
Birth Order: In 1990, 40.4 percent of the live births were first born children, compared to 44.1 percent in 1980. Over 10 percent of the births in 1990 were fourth births or higher, compared to 1970, when over 20 percent were fourth births or higher. Among births to mothers 30 years of age and older, 24.6 percent were first-borns. In 1980, the percentage of first-borns for this age group was 19.2; in 1975, it was 13.0 – a difference of almost 90 percent from 1990.

Marital Status of Mother: Almost 29 percent of the births in 1990 were to unmarried mothers, compared to 1980, when 17.7 percent were to unmarried mothers, and 1970, when the percentage was only 9.8. This percentage varied considerably among age groups in 1990. Among the births to teenagers (under 20 years of age), 80.5 percent were to unmarried mothers. In 1970, the percentage of births to teenage mothers who were unmarried was 31.7 and, by 1980, 51.2 percent. Almost 43 percent of the live births for the age group 20-24 were to unmarried mothers. Among births to women 25 years of age and older, 14.9 percent of the mothers were unmarried. As shown in the line graph to the right, births to all the maternal age groups listed in this report have recorded increases in the percentages of unmarried mothers since 1970.

Mother's Education: During 1990, 16.3 percent of the resident live births were to mothers who had less than a twelfth grade education, compared to 18.9 percent in 1980. Over 19 percent of the births in 1990 were to mothers with a college education (16 or more grades completed) – an increase of 36.9 percent since 1980 when 14.1 percent were recorded.

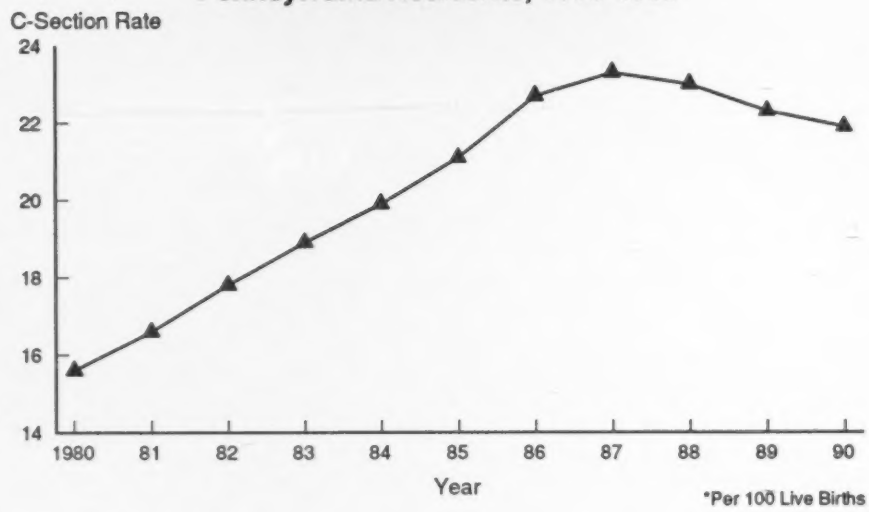
Medical Conditions: Medical conditions (risk factors of the mother, complications of labor and delivery, abnormal conditions of the newborn, and congenital anomalies) were more prevalent among births to the youngest and the oldest mothers. In 1990, 21.0 percent of the births were to mothers with medical risk factors (diabetes, eclampsia, anemia, etc.). Over 33 percent of the births to mothers aged 40 years and older involved such medical risk factors. The highest percentage of medical conditions reported were for complications of labor and delivery (placenta previa, precipitous or prolonged labor, breech birth, fetal distress, etc.) – 35.3 percent of all live births in 1990. Abnormal conditions of the newborn (anemias, birth injury, assisted ventilation, etc.) and congenital anomalies or birth defects were reported for 5.1 percent and 2.0 percent, respectively. Among the types of congenital anomalies reported in 1990, musculoskeletal/integumental and urogenital anomalies were the most common. Down syndrome was reported for 78 births and spina bifida for 48 births in Pennsylvania during 1990.

Resident Live Births to Unmarried Mothers
Percent by Age Group, Pennsylvania, 1970-90



Method of Delivery: Vaginal deliveries accounted for 76.3 percent of all resident live births in 1990. Over 3 percent of the vaginal deliveries were to women who had previously delivered by cesarean section. The proportion of cesarean section deliveries in 1990 was 21.9, a decline from the 22.3 recorded in 1989 and the 23.0 percent recorded in 1988. This is the third consecutive decline in the annual percentage of cesarean sections. As shown in the line graph to the right, the proportion of cesarean sections had been increasing steadily and dramatically over the years to a high of 23.3 percent in 1987, a rise of almost 50 percent from the 15.6 percent recorded in 1980. In 1970, only 5.6 percent of the births were delivered as cesarean sections, and, in 1975, 9.9 percent. The percentage incidence of cesarean section delivery rises consistently with increasing maternal age. For example, 15.6 percent of the births delivered by teenage mothers in 1990 were cesarean sections, compared to 30.5 for mothers aged 40 and over. Over 39 percent of the cesarean section deliveries in 1990 were repeat procedures.

Cesarean Section Delivery Rate*
Pennsylvania Residents, 1975-1990



*Per 100 Live Births

Apgar Score: The percentage of births to white mothers with Apgar scores of 0-3 at one minute was 1.8, compared to 4.2 for births to black mothers and 2.7 for Hispanic mothers. At five minutes, 97.4 percent of births to white mothers, 94.1 percent of births to black mothers, and 96.8 percent of births to Hispanic mothers had an Apgar score of 8, 9 or 10.

Given Names: Ashley was the most popular first name given to females born in Pennsylvania during 1990, as it has been since 1985. Brittany first appeared among the top ten names in 1988. Amanda, Jessica, Nicole, and Sarah have continued to be popular since 1980. Megan, not among the top ten since 1987, replaced Jennifer on the 1990 list. None of the ten most popular names given to females born in 1960 appeared on the 1990 list. Among females born to white mothers in 1990, Amanda was the most often given name, followed by Jessica. The only name appearing in the top ten for whites that did not appear in the top ten for all races in 1990 was Emily. Jasmine was the most popular given name in 1990 among females born to black mothers. The other top ten names given to female infants of black mothers that also appeared in the top ten list for females born to white mothers were Ashley, Brittany, Jessica, and Nicole. Tiffany, Amber, Courtney, Danielle, and Dominique were other high ranking favorite names given to female infants of black mothers. Jessica was the most common name given to baby girls by mothers of Hispanic origin in 1990. Four other names on the Hispanic list, Amanda, Ashley, Stephanie, and Jessica, also appeared on either the white or black list or both lists. Five other names on the Hispanic list – Christina, Jennifer, Maria, Yesenia, and Vanessa – did not appear on any of the other lists.

Among the male infants, Michael continued to be the most popular given name, as it has been since 1970. Four of the top ten names given to males born in 1960 (John, Michael, David and Joseph) still appeared on the 1990 list. Michael was also the top name given to males born to mothers of both white and black races in 1990. Among Hispanics, Jose was the most common given male name. Michael, Christopher, David, and Joshua appeared on all three lists. Anthony appeared on the black and Hispanic lists. After that, the similarities among the three male lists for 1990 disappear.

COUNTIES

Total Births: Philadelphia County residents accounted for 29,714 live births or 17.4 percent of the total births in the state during 1990, and, along with six other counties (Allegheny, Bucks, Chester, Delaware, Lancaster and Montgomery) that had 5,000 or more resident live births each, accounted for over half (51.1 percent) of all the resident births recorded that year in Pennsylvania. Philadelphia County also had the highest crude birth rate among the counties with 18.7 resident live births per 1,000 population. Lancaster County with 17.2 was the second highest county. The average annual (1986-90) crude birth rates show Philadelphia County again with the highest rate, 17.7 per 1,000 population. Lancaster County again placed second with an average annual birth rate of 16.4 for the five-year period. Southwestern and northeastern counties tended to have average annual (1986-90) birth rates lower than the state rate.

Births by Race: As shown in the pie chart to the right, 61.3 percent of all births to black mothers in the state during 1990 were to residents of Philadelphia County and four other counties accounted for another 25.1 percent of these births – Allegheny, Dauphin, Delaware and Montgomery. There were no births to blacks in ten rural counties during 1990. Twenty-seven other counties had less than ten resident live births to black mothers. Five-year summary (1986-90) figures by race of mother indicate that four counties (Elk, Potter, Snyder, and Sullivan) had no resident live births to blacks.

Age of Mother: Philadelphia County accounted for 17.4 percent of all the births in 1990 and 27.5 percent of all the births to teenage mothers (under 20 years of age) in Pennsylvania. In contrast, Allegheny County, the county with the second highest number and percentage (10.6) of total births for the state, had only 8.7 percent of all the births to teenagers in the state. Among the 67 counties, Fayette County had the highest percentage of births to resident teenagers (17.5), followed by Forest with 17.3 and Philadelphia County at 17.2 percent. Pike County had the lowest percentage of county births to teenage mothers (3.5). The next lowest counties were Montgomery (4.3 percent), Bucks (5.1 percent), and Chester (5.3 percent).

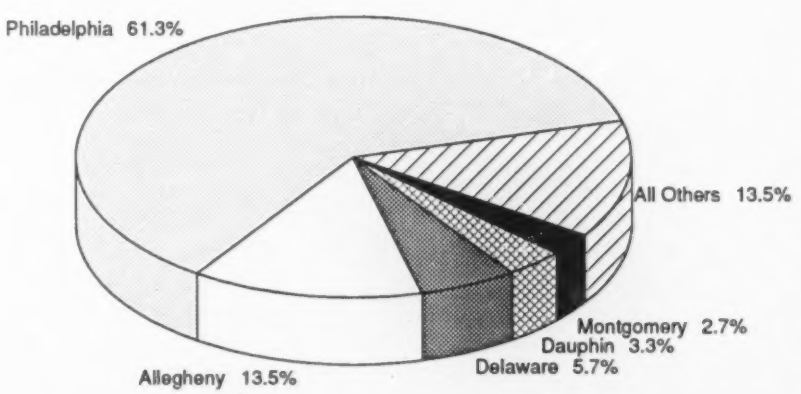
Birth Weight: Philadelphia County had the highest percentage of low birth weight infants (under 2500 grams or 5 pounds 9 ounces) at 11.6 percent and these births accounted for 28.1 percent of all the low birth weight infants born to Pennsylvania residents in 1990.

Five-year summary (1986-90) low and very low birth weight percentages followed patterns similar to the 1990 figures. Philadelphia County had the highest percentage of very low birth weights (2.5), followed closely by Cameron with 2.4. Philadelphia also had the highest percentage of low birth weights (11.4) during that time. Dauphin County had the second highest percentage of low birth weight infants born during 1986-90 with 7.5, and Allegheny County followed closely at 7.4 percent.

Mother's Education: Snyder County had the highest percentage of births to mothers with an eighth grade education or less (15.5), followed by Mifflin County (15.3 percent), Lancaster County (13.9 percent), Union County (12.3) and Crawford County (9.8). The state percentage was 2.7. Montgomery, Chester, and Centre Counties led in highest percentages of births with mothers who had a college education (16 or more grades completed) – 39.7, 38.5, and 32.6, respectively, compared to 19.3 percent for the state in 1990.

Marital Status of Mother: Over 57 percent of the births recorded for Philadelphia residents

Resident Live Births to Black Mothers
Percent by County, Pennsylvania, 1990



in 1990 were to unmarried mothers. Dauphin and Erie Counties were the only other counties with both a large number (1,273 and 1,324, respectively) and percentage (34.5 and 31.5, respectively) of births to unmarried mothers. The lowest percentages of births to unmarried mothers occurred in Pike (8.1), Montgomery (13.4), and Centre (13.6) Counties.

Prenatal Care: Philadelphia County had, by far, the lowest percentage of births for which mothers had received prenatal care in the first trimester or three months of pregnancy – 59.8. The second lowest was Fulton County with 72.0 percent, followed by Sullivan County at 72.7 percent. Eleven other counties had percentages ranging between 73.0 and 75.0 (Bedford, Cameron, Dauphin, Fayette, Greene, Lebanon, Lycoming, Perry, Potter, Snyder, and Union). Elk county had the highest percentage of births to mothers who had received prenatal care in the first trimester – 91.1. Forest County had 90.4 percent. Seven other counties had a percentage of 85.0 or higher – Beaver, Bucks, Delaware, Lehigh, Luzerne, Montgomery, and Northampton. Philadelphia had, by far, the highest percentage of births for which mothers had no prenatal care (6.3 percent) and that figure (1,871) also represented 61.7 percent of all such births in the state during 1990.

Attendant at Birth: Lancaster County, which had only 4.3 percent of Pennsylvania's total live births in 1990, accounted for 26.5 percent of all live births in the state delivered outside of a hospital. Three counties had rather high percentages of deliveries by a midwife – Clinton (22.6), Mifflin (22.1), and Huntingdon (20.3). Throughout the state in 1990, only 2.8 percent of all resident live births were delivered by a midwife.

MUNICIPALITIES

Total Births: The 23 municipalities listed in this section accounted for 31.4 percent of all the resident live births in the state during 1990. Chester had the highest resident birth rate with 26.3 births per 1,000 population. Easton, Erie, Harrisburg, Lancaster, Norristown, Reading, and York also had birth rates above 20.0. State College had, by far, the lowest birth rate – 5.4, compared to the second lowest municipality, Monroeville, with 11.6. Over 65 percent (15 out of 23) of the municipalities had resident live birth rates higher than the state rate of 14.4 in 1990.

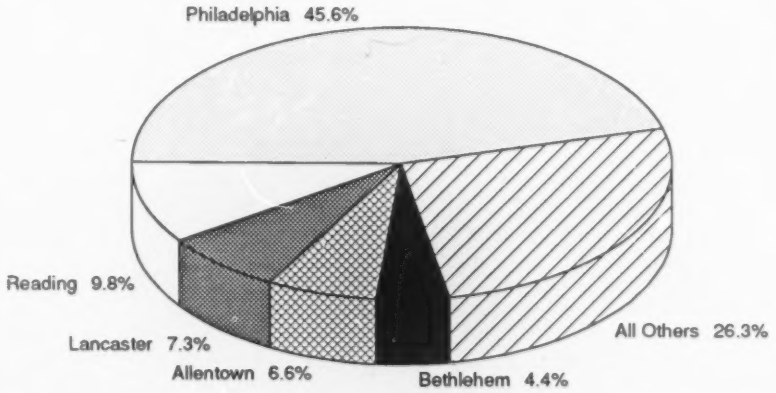
Race and Hispanic Origin: NOTE: Persons of Hispanic origin can be of any race.

In three municipalities, more than half of the total births were to black mothers. In Chester, births to black mothers accounted for 76.4 percent of all births. In Harrisburg, 57.3 percent of all births were to black mothers. Philadelphia black mothers accounted for 52.5 percent of the births recorded for that city during 1990.

As shown in the pie chart below, almost 46 percent of the births to Hispanic mothers in Pennsylvania during 1990 were to residents of Philadelphia. The number of births to Hispanics in four other municipalities, Reading, Lancaster, Allentown, and Bethlehem, represented another 28.1 percent of all the Hispanic births in the state in 1990. Births to Hispanic mothers in Philadelphia represented only 8.6 percent of their total resident live births while, in Reading and Lancaster, births to hispanics accounted for 31.0 and 30.1 percent, respectively, of all the births in each of those cities.

Age of Mother: Five municipalities had percentages of births to teenage mothers (under 20 years of age) of nearly 20 percent or higher – York (25.3), Chester (23.9), Harris-

Resident Live Births to Hispanic Mothers
Percent by Municipality, Pennsylvania, 1990



burg (21.6), Reading (20.6), and Lancaster (19.6). The percentage of births to teenage mothers in 1990 for the state was 10.9 and, in areas of the state outside of the 23 municipalities listed, the percentage was 8.2.

Birth Weight: Seven municipalities had percentages of low birth weight infants (under 2500 grams or 5 pounds 9 ounces) near or above 10 percent – Chester and Harrisburg (both 11.9), Philadelphia (11.6), Pittsburgh (11.2), McKeesport (10.6), York (9.9), and Johnstown (9.5). In comparison, the state figure was 7.2 percent. Chester and Johnstown had the highest percentages of very low birth weight infants (under 1500 grams or 3 pounds 5 ounces) with 3.4 and 3.0 percent, respectively. In areas of the state outside of the 23 municipalities, only 5.7 percent of the live births were low birth weight and 1.1 percent very low birth weight.

Mother's Education: Reading had the highest percentage of births to mothers with an eighth grade education or less – 8.3. The second highest was Lancaster with 5.8 percent. State College had, by far, the highest percentage of births to mothers with a college education (16 or more grades completed) – 63.2. Also high were Bethel Park at 42.9 percent and Monroeville with 41.2 percent.

Marital Status of Mother: Chester had the highest percentage of births to unmarried mothers – 71.1. In six other municipalities, more than half of the babies born had mothers who were unmarried – Harrisburg (63.4 percent), York (55.6 percent), Philadelphia (57.3), Reading (52.1 percent), McKeesport (51.5), and Lancaster (50.7 percent). In Bethel Park and State College Boroughs, over 90 percent of the births were to mothers married at the time of birth. Plum at 88.2 percent and Monroeville at 87.8 percent also had high figures. In areas of the state outside of the 23 municipalities, 18.2 percent of the births occurred to unmarried mothers, compared to 28.7 percent for the entire state.

Prenatal Care: As shown in the bar chart below, Reading had the lowest percentage of births for which the mothers obtained prenatal care in the first trimester of pregnancy – 57.6. Percentages for six other municipalities also fell below 70 percent – Harrisburg (58.6 percent), Philadelphia (59.8 percent), McKeesport (65.4 percent), Norristown (66.3 percent), Chester (67.5 percent), and York (67.7 percent). Bethel Park Borough had the highest percentage of births for which mothers received care in the first three months of pregnancy with 94.2 percent. Second highest was Plum Borough with 91.9 percent, and then Monroeville with 91.1 percent. In areas of the state outside of the 23 municipalities, 83.6 percent received care in the first trimester, and, for the entire state, 78.1 percent.

Municipalities with Less Than 70% of Mothers Obtaining Prenatal Care in First Trimester Pennsylvania Residents, 1990

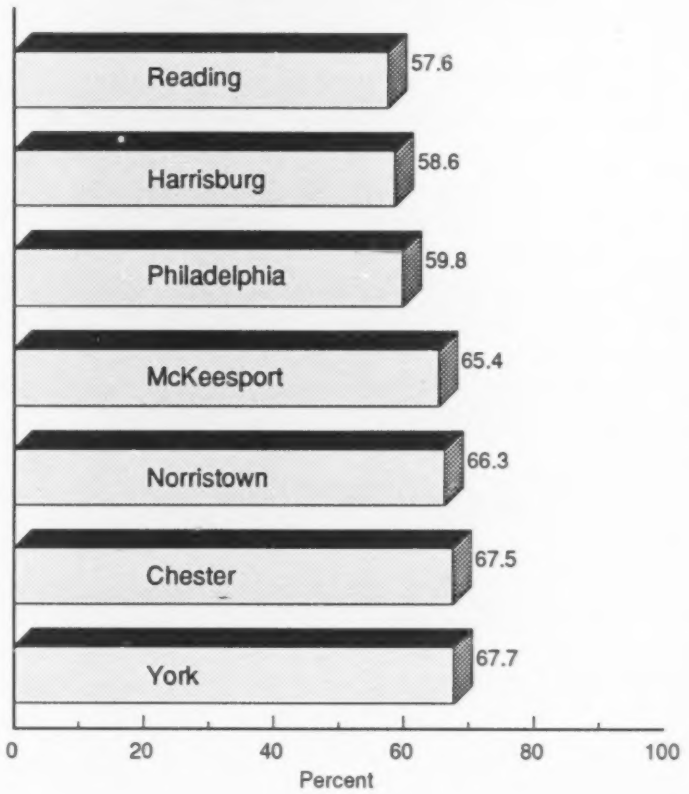


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TABLE B-1
RESIDENT LIVE BIRTHS: PENNSYLVANIA, 1915-1990

YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER
1990	171,053				
1989	168,108	1964	218,515	1939	160,774
1988	165,169	1963	221,537	1938	165,708
1987	162,348	1962	226,393	1937	161,133
1986	160,336	1961	240,172	1936	159,393
1985	160,001	1960	241,099	1935	161,166
1984	156,799	1959	246,615	1934	160,238
1983	157,810	1958	249,810	1933	157,046
1982	161,561	1957	254,997	1932	168,534
1981	160,179	1956	248,019	1931	178,714
1980	158,670	1955	242,591	1930	189,458
1979	157,533	1954	245,521	1929	189,524
1978	151,438	1953	239,206	1928	200,769
1977	153,415	1952	239,964	1927	210,001
1976	148,004	1951	235,074	1926	207,696
1975	148,942	1950	221,635	1925	215,120
1974	151,458	1949	224,581	1924	223,103
1973	153,272	1948	227,227	1923	217,235
1972	163,110	1947	248,513	1922	214,348
1971	180,939	1946	218,376	1921	229,452
1970	192,154	1945	173,799	1920	220,462
1969	185,046	1944	178,370	1919	207,685
1968	185,729	1943	199,366	1918	220,170
1967	188,706	1942	197,177	1917	222,505
1966	195,869	1941	174,193	1916	217,449
1965	204,105	1940	165,456	1915	217,979

NOTE: DATA PRIOR TO 1937 ARE BY PLACE OF OCCURRENCE. ALL OTHER DATA ARE BY PLACE OF RESIDENCE.

TABLE B-2
LIVE BIRTH RATE, GENERAL FERTILITY RATE AND TOTAL FERTILITY RATE:
PENNSYLVANIA AND UNITED STATES, 1950-1990

YEAR	LIVE BIRTH RATE*		GENERAL FERTILITY RATE*		TOTAL FERTILITY RATE*	
	PENNSYLVANIA	UNITED STATES	PENNSYLVANIA	UNITED STATES	PENNSYLVANIA	UNITED STATES
1990	14.4	16.7**	63.6	71.1**	1872.5	***
1989	14.0	16.3	61.0	69.2	1778.0	***
1988	13.8	15.9	60.1	67.2	1731.5	1932.0
1987	13.6	15.7	59.4	65.7	1693.5	1871.0
1986	13.5	15.6	58.9	65.4	1659.0	1836.0
1985	13.5	15.8	58.8	66.2	1642.0	1842.5
1984	13.2	15.5	57.9	65.4	1603.0	1805.5
1983	13.3	15.5	59.2	65.8	1633.0	1802.9
1982	13.6	15.9	60.6	67.3	1667.5	1828.5
1981	13.5	15.8	60.7	67.4	1654.5	1815.0
1980	13.4	15.9	60.1	68.4	1633.5	1839.5
1979	13.4	15.6	60.4	67.2	1672.0	1808.0
1978	12.9	15.0	58.7	65.5	1617.0	1760.0
1977	13.0	15.1	59.8	66.8	1620.5	1789.5
1976	12.5	14.6	57.7	65.0	1569.5	1738.0
1975	12.6	14.6	58.7	66.0	1600.5	1774.0
1974	12.8	14.8	60.5	67.8	1673.5	1835.0
1973	12.9	14.8	61.7	68.8	1734.5	1879.0
1972	13.7	15.6	66.3	73.1	1892.5	2010.0
1971	15.1	17.2	75.4	81.6	2188.5	2266.5
1970	16.3	18.4	80.6	87.9	2378.5	2480.0
1969	15.7	17.9	76.6	86.1	2245.0	2455.5
1968	15.8	17.6	77.6	85.2	2319.5	2464.2
1967	16.2	17.8	80.0	87.2	2444.5	2557.7
1966	16.8	18.4	83.4	90.8	2593.5	2721.4
1965	17.7	19.4	87.6	96.3	2754.5	2912.6
1964	19.1	21.1	94.8	104.7	3002.0	3190.5
1963	19.4	21.7	96.2	108.3	3072.5	3318.8
1962	19.9	22.4	98.8	112.0	3222.0	3461.3
1961	20.9	23.3	104.1	117.1	3390.5	3620.3
1960	21.3	23.7	104.5	118.0	3354.5	3653.6
1959	21.8	24.2	104.3	119.9	3258.5	3712.4
1958	22.5	24.5	106.8	120.0	3315.5	3700.5
1957	22.8	25.3	107.7	122.7	3316.5	3767.0
1956	22.3	25.2	103.6	121.0	3169.5	3689.0
1955	21.8	25.0	100.1	118.3	3020.0	3573.7
1954	22.5	25.3	101.9	117.9	3042.0	3542.6
1953	22.1	25.1	98.9	115.0	2912.0	3424.1
1952	22.4	25.1	98.4	113.8	2873.5	3358.4
1951	22.2	24.9	96.5	111.4	2799.5	3269.3
1950	21.1	24.1	90.6	106.2	2610.0	3090.5

* LIVE BIRTH RATES PER 1,000 POPULATION.

GENERAL FERTILITY RATE: NUMBER OF TOTAL LIVE BIRTHS PER 1,000 FEMALES OF CHILDBEARING AGE (BETWEEN THE AGES OF 15 AND 44 YEARS).

TOTAL FERTILITY RATE: THE SUM OF THE AGE-SPECIFIC BIRTH RATES OF WOMEN IN FIVE YEAR AGE GROUPS MULTIPLIED BY FIVE. THIS RATE ESTIMATES THE NUMBER OF CHILDREN A COHORT OF 1,000 WOMEN WOULD BEAR IF THEY ALL WENT THROUGH THEIR CHILDBEARING YEARS EXPOSED TO THE AGE-SPECIFIC BIRTH RATES IN EFFECT AT A PARTICULAR TIME.

** PROVISIONAL DATA.
***DATA NOT AVAILABLE.

FIGURE B-1
LIVE BIRTH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

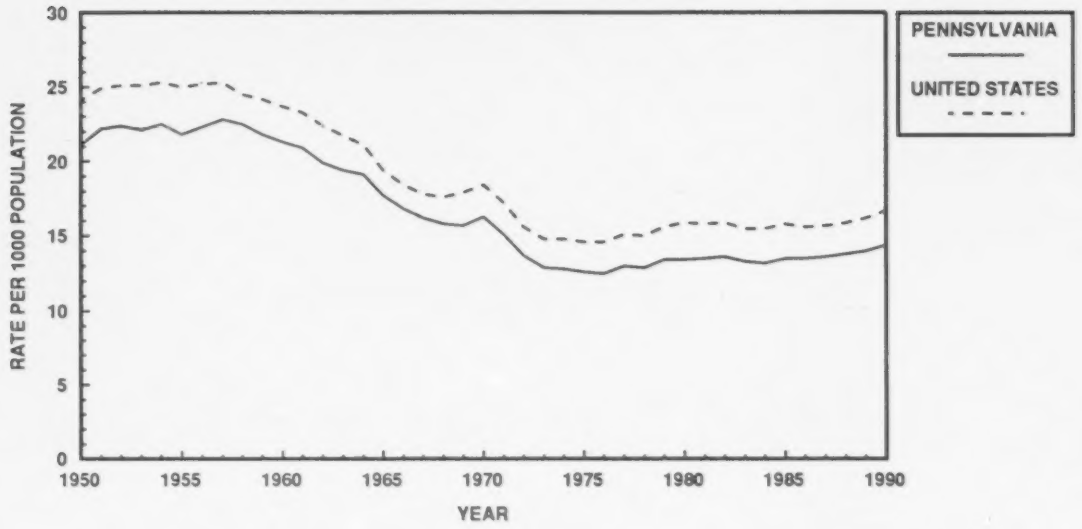


FIGURE B-2
GENERAL FERTILITY RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

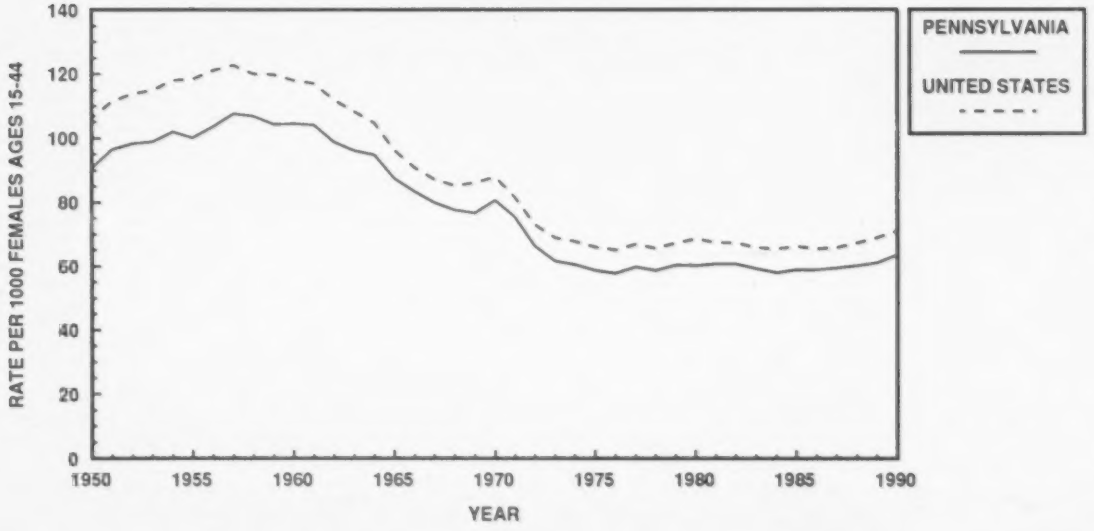


TABLE B-3
RESIDENT LIVE BIRTHS BY AGE OF MOTHER, NUMBER AND RATE*
PENNSYLVANIA, 1990, 1985, 1980, 1975, 1970

AGE OF MOTHER**	1990		1985		1980		1975		1970	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	171,053	63.6	160,001	58.8	158,670	60.1	148,942	58.7	192,154	80.6
UNDER 15	437	1.2	359	0.9	324	0.7	412	0.8	443	0.8
15-19	18,139	45.1	18,119	39.2	21,683	40.5	24,701	43.6	28,592	53.2
20-24	40,880	94.5	45,144	90.0	52,371	97.5	50,414	95.0	71,365	156.1
25-29	55,132	118.5	54,458	106.0	52,077	109.3	47,304	104.8	54,250	149.6
30-34	40,659	80.8	31,803	67.9	25,306	58.6	18,881	52.8	23,913	75.7
35-39	13,856	29.7	8,974	21.2	5,958	17.0	5,815	18.7	10,526	32.3
40-44	1,888	4.5	1,103	3.1	898	2.9	1,334	4.2	2,878	7.5
45 & OVER	62	0.2	41	0.1	53	0.2	81	0.2	187	0.5

* RATE PER 1,000 FEMALE POPULATION FOR EACH YEAR BY AGE GROUP. ALL AGES INCLUDES FEMALES AGE 15-44 YEARS; UNDER 15 INCLUDES FEMALES AGE 10-14 YEARS; AND 45 & OVER INCLUDES FEMALES AGE 45-49 YEARS.
**BIRTHS WITH UNKNOWN MOTHER'S AGE ARE INCLUDED IN THE 25-29 YEAR AGE GROUP FOR 1990, AND IN THE 20-24 YEAR AGE GROUP FOR ALL OTHER YEARS.

FIGURE B-3
RESIDENT BIRTHS, PERCENT BY AGE OF MOTHER
PENNSYLVANIA, 1970, 1975, 1980, 1985, AND 1990

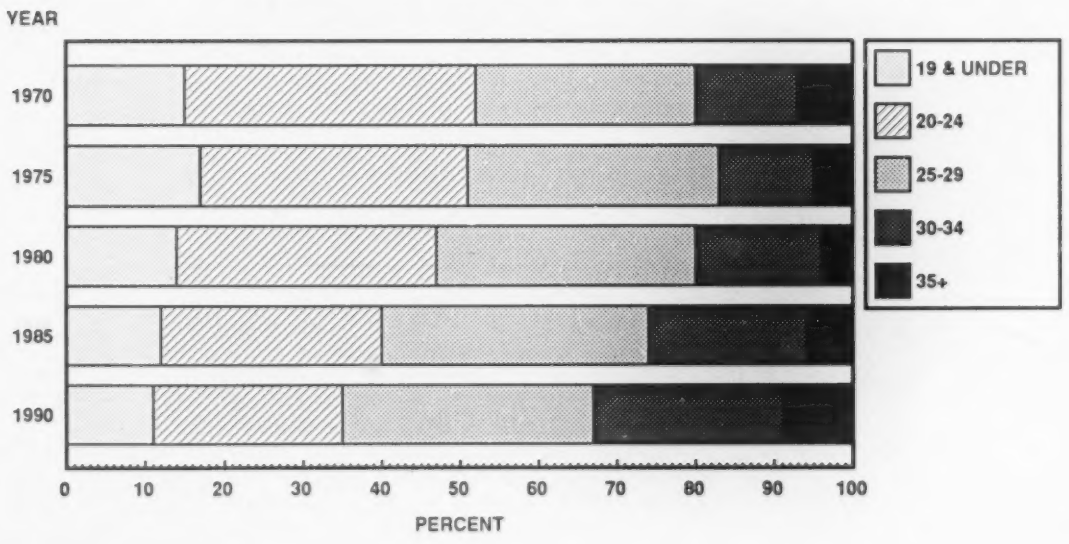


TABLE B-4A
RESIDENT LIVE BIRTHS BY AGE, RACE AND HISPANIC ORIGIN OF MOTHER
PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE*	BLACK	
ALL AGES	171,053	142,724	25,432	5,616
UNDER 15	437	144	289	46
15-19	18,139	12,358	5,636	1,372
20-24	40,880	32,462	7,938	1,970
25-29	55,120	47,631	6,412	1,312
30-34	40,659	36,121	3,687	649
35-39	13,856	12,296	1,279	235
40-44	1,888	1,651	186	31
45 & OVER	62	52	3	1
UNKNOWN	12	9	2	0

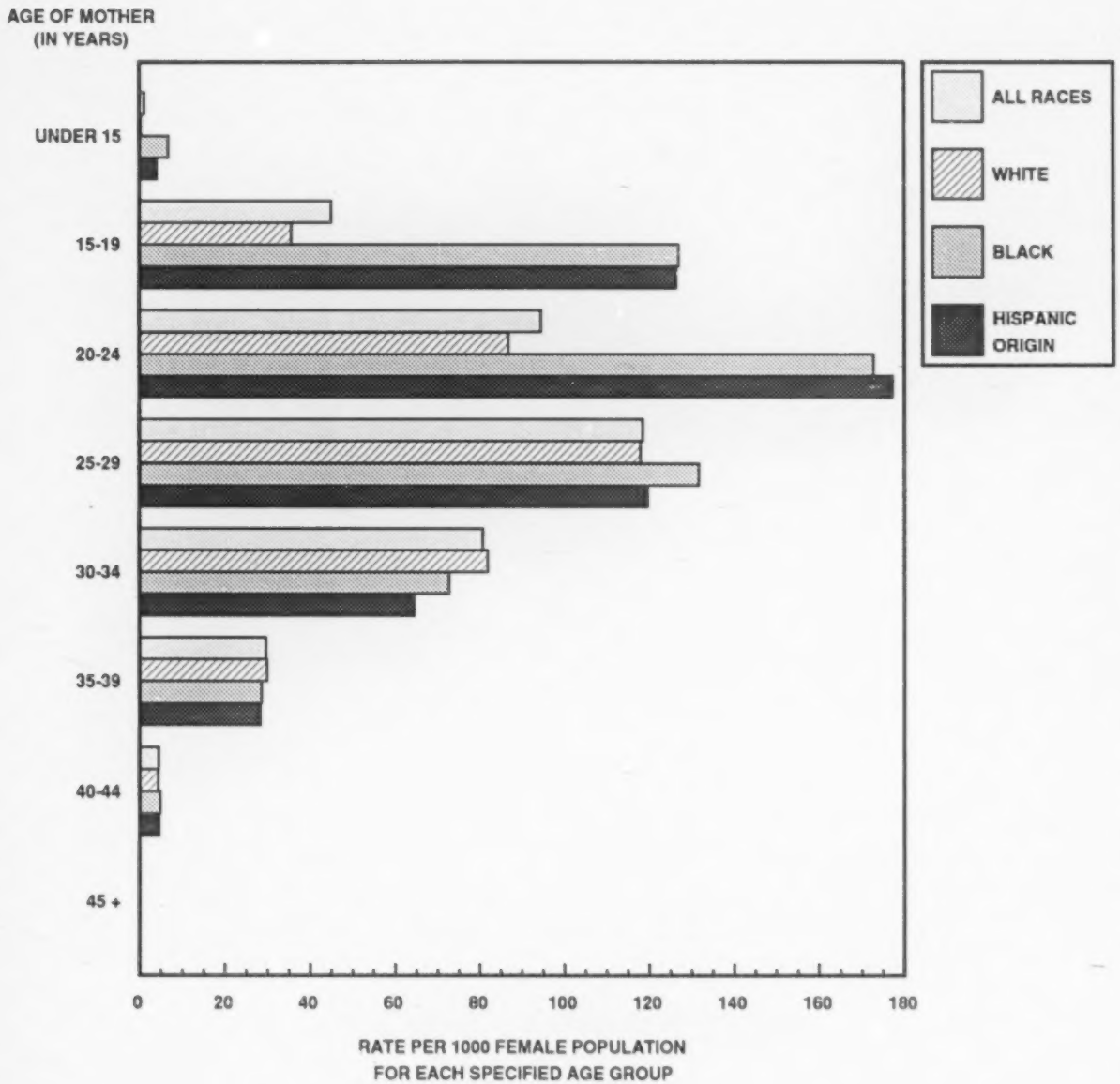
TABLE B-4B
RESIDENT LIVE BIRTH RATE** BY AGE, RACE AND HISPANIC ORIGIN OF MOTHER
PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE*	BLACK	
ALL AGES	63.6	60.9	93.7	96.8
UNDER 15	1.2	0.5	6.8	4.2
15-19	45.1	35.8	127.0	126.5
20-24	94.5	86.9	172.8	177.3
25-29***	118.5	118.1	131.7	119.7
30-34	80.8	82.0	72.8	64.6
35-39	29.7	29.9	28.7	28.4
40-44	4.5	4.4	5.0	4.6
45 & OVER	0.2	0.2	0.1	0.2

* UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.
** RATE PER 1,000 FEMALE POPULATION FOR EACH SPECIFIED AGE GROUP, 1990. ALL AGES INCLUDES FEMALES AGE 15-44 YEARS; UNDER 15 INCLUDES FEMALES AGE 10-14 YEARS; AND 45 & OVER INCLUDES FEMALES AGE 45-49 YEARS.
***BIRTHS WITH UNKNOWN MOTHER'S AGE ARE INCLUDED IN THE AGE 25-29 YEARS.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

FIGURE B-4
RESIDENT BIRTH RATES BY AGE, RACE AND HISPANIC ORIGIN OF MOTHER
PENNSYLVANIA, 1990



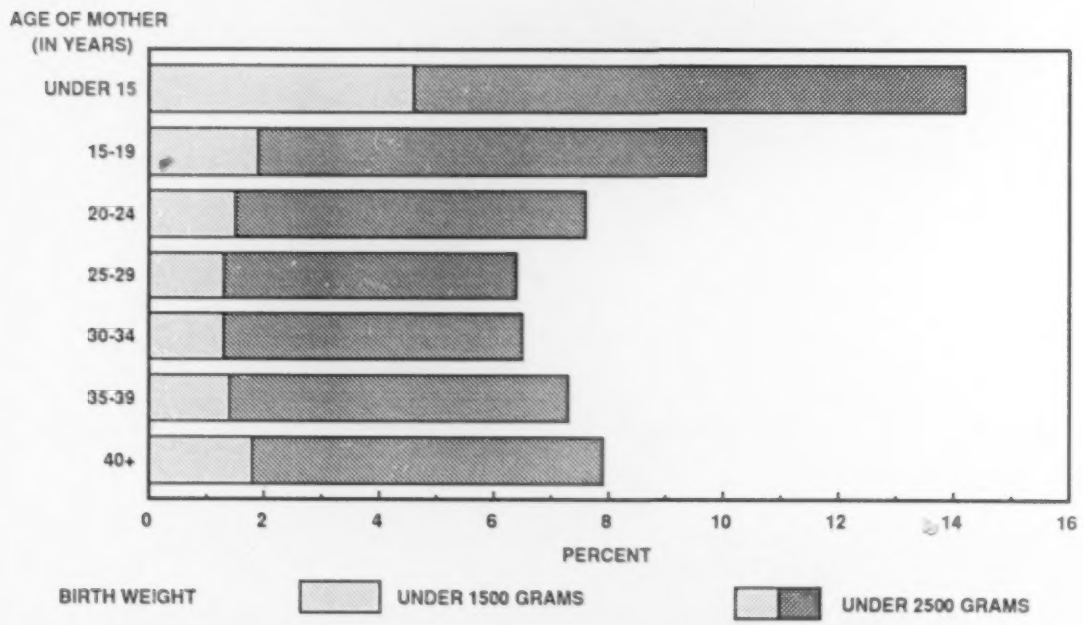
NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE B-5
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND BIRTH WEIGHT
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	2,460	1.4	9,804	5.7	88,902	52.0	66,651	39.0	3,149	1.8	87	0.1
UNDER 15	437	20	4.6	42	9.6	276	63.2	99	22.7	0	-	0	-
15-19	18,139	353	1.9	1,415	7.8	10,921	60.2	5,305	29.2	144	0.8	1	0.0
20-24	40,880	623	1.5	2,482	6.1	22,753	55.7	14,428	35.3	570	1.4	24	0.1
25-29	55,120	711	1.3	2,830	5.1	27,913	50.6	22,584	41.0	1,067	1.9	15	0.0
30-34	40,659	521	1.3	2,096	5.2	19,638	48.3	17,440	42.9	926	2.3	38	0.1
35-39	13,856	197	1.4	821	5.9	6,452	46.6	5,986	43.2	392	2.8	8	0.1
40-44	1,888	34	1.8	113	6.0	917	48.6	775	41.0	49	2.6	0	-
45 & OVER	62	1	1.6	5	8.1	25	40.3	30	48.4	1	1.6	0	-
UNKNOWN	12	0	-	0	-	7	58.3	4	33.3	0	-	1	8.3

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

FIGURE B-5
RESIDENT LIVE BIRTHS, PERCENT WITH VERY LOW AND LOW BIRTH WEIGHT
BY AGE OF MOTHER, PENNSYLVANIA, 1990



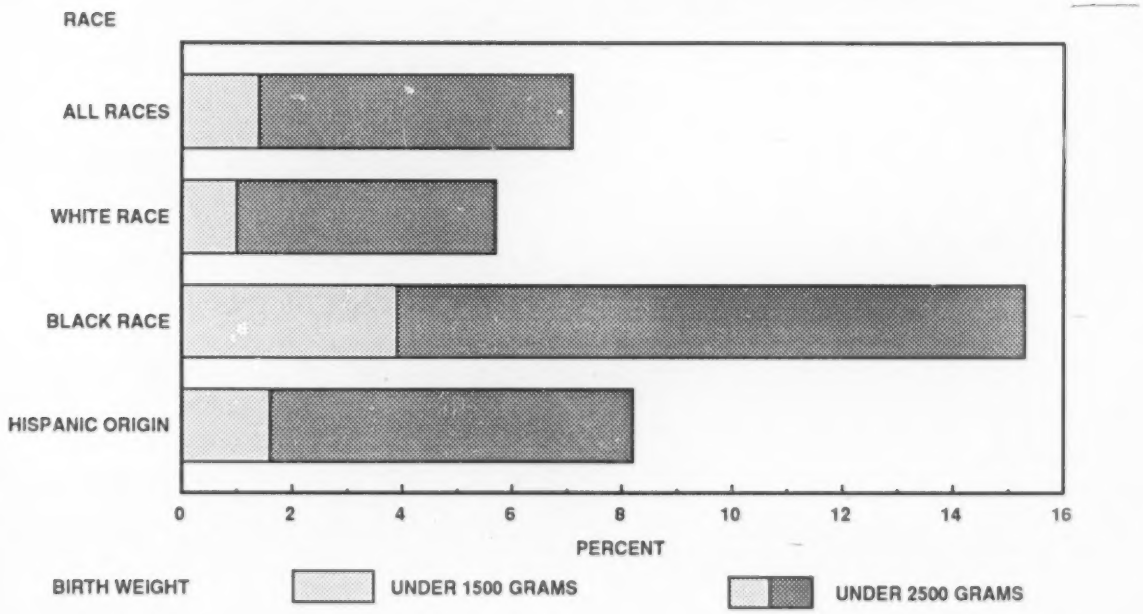
NOTE: THE STATE PERCENTAGES FOR VERY LOW BIRTH WEIGHT (UNDER 1500 GRAMS) AND LOW BIRTH WEIGHT (UNDER 2500 GRAMS) ARE 1.4 AND 7.2 PERCENT, RESPECTIVELY.

TABLE B-6
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT, SEX OF CHILD, AND RACE AND HISPANIC ORIGIN OF MOTHER, NUMBER AND PERCENT*: PENNSYLVANIA, 1990

BIRTH WEIGHT (IN GRAMS)	TOTAL BIRTHS	SEX				RACE				HISPANIC ORIGIN	
		MALE**		FEMALE		WHITE***		BLACK			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL	171,053	87,762	100.0	83,291	100.0	142,724	100.0	25,432	100.0	5,616	100.0
0-1499	2,460	1,250	1.4	1,210	1.5	1,452	1.0	980	3.9	91	1.6
1500-2499	9,804	4,586	5.2	5,218	6.3	6,721	4.7	2,909	11.4	370	6.6
2500-3499	88,902	41,536	47.3	47,366	56.9	71,417	50.0	15,590	61.3	3,398	60.5
3500-4499	66,651	38,166	43.5	28,485	34.2	60,079	42.1	5,787	22.8	1,705	30.4
4500+	3,149	2,176	2.5	973	1.2	2,977	2.1	157	0.6	50	0.9
UNKNOWN	87	48	0.1	39	0.0	78	0.1	9	0.0	2	0.0

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH COLUMN.
** UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.
***UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.

FIGURE B-6
RESIDENT LIVE BIRTHS, PERCENT WITH VERY LOW AND LOW BIRTH WEIGHT BY RACE AND HISPANIC ORIGIN OF MOTHER, PENNSYLVANIA, 1990



NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE B-7A
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	133,665	78.1	25,170	14.7	6,003	3.5	3,185	1.9	3,030	1.8
UNDER 15	437	152	34.8	152	34.8	75	17.2	26	5.9	32	7.3
15-19	18,139	9,996	55.1	5,444	30.0	1,490	8.2	602	3.3	607	3.3
20-24	40,880	28,729	70.3	8,241	20.2	2,062	5.0	902	2.2	946	2.3
25-29	55,120	45,985	83.4	6,158	11.2	1,297	2.4	900	1.6	780	1.4
30-34	40,659	35,381	87.0	3,574	8.8	716	1.8	524	1.3	464	1.1
35-39	13,856	11,884	85.8	1,333	9.6	288	2.1	195	1.4	156	1.1
40-44	1,888	1,486	78.7	257	13.6	70	3.7	32	1.7	43	2.3
45 & OVER	62	48	77.4	8	12.9	4	6.5	2	3.2	0	-
UNKNOWN	12	4	33.3	3	25.0	1	8.3	2	16.7	2	16.7

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

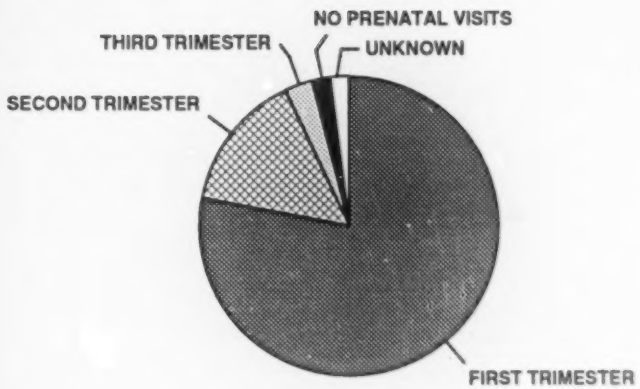
TABLE B-7B
RESIDENT LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT, NUMBER AND PERCENT*: PENNSYLVANIA, 1990

RACE AND HISPANIC ORIGIN OF MOTHER	TOTAL BIRTHS	TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL RACES	171,053	133,665	78.1	25,170	14.7	6,003	3.5	3,185	1.9	3,030	1.8
WHITE**	142,724	118,807	83.2	17,634	12.4	3,478	2.4	1,819	1.3	986	0.7
BLACK	25,432	12,876	50.6	6,942	27.3	2,346	9.2	1,256	4.9	2,012	7.9
HISPANIC ORIGIN	5,616	3,355	59.7	1,292	23.0	390	6.9	434	7.7	145	2.6

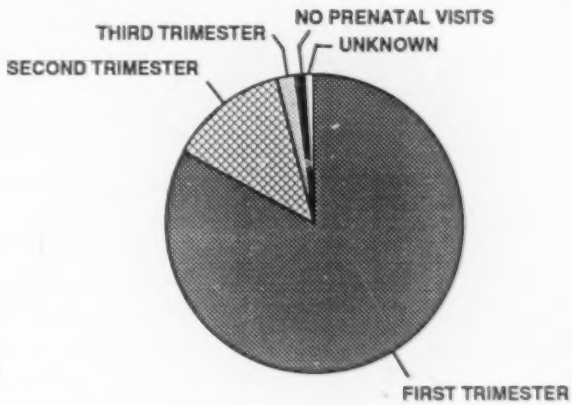
* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED GROUP.
**UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

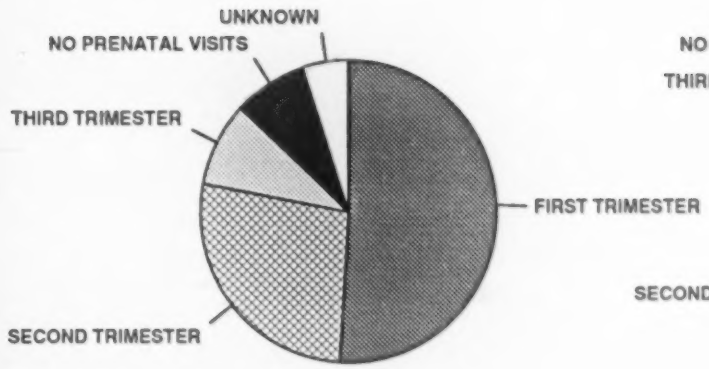
FIGURE B-7
RESIDENT LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER AND TRIMESTER OF FIRST PRENATAL VISIT, PENNSYLVANIA, 1990



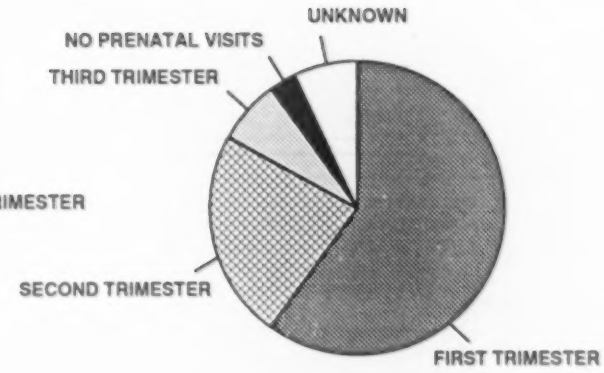
ALL RACES



WHITE RACE



BLACK RACE



HISPANIC ORIGIN

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE B-8
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF PREVIOUS PREGNANCIES
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	NUMBER OF PREVIOUS PREGNANCIES											
		NONE		ONE		TWO		THREE		FOUR OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	54,779	32.0	51,707	30.2	32,507	19.0	16,549	9.7	15,296	8.9	215	0.1
UNDER 15	437	410	93.8	26	5.9	1	0.2	0	-	0	-	0	-
15-19	18,139	12,051	66.4	4,343	23.9	1,280	7.1	347	1.9	105	0.6	13	0.1
20-24	40,880	15,766	38.6	13,270	32.5	6,888	16.8	2,995	7.3	1,923	4.7	38	0.1
25-29	55,120	16,631	30.2	17,801	32.3	10,843	19.7	5,243	9.5	4,539	8.2	63	0.1
30-34	40,659	7,729	19.0	12,538	30.8	9,736	23.9	5,418	13.3	5,173	12.7	65	0.2
35-39	13,856	1,956	14.1	3,394	24.5	3,360	24.2	2,230	16.1	2,882	20.8	34	0.2
40-44	1,888	226	12.0	327	17.3	387	20.5	299	15.8	649	34.4	0	-
45 & OVER	62	8	12.9	5	8.1	8	12.9	17	27.4	24	38.7	0	-
UNKNOWN	12	2	16.7	3	25.0	4	33.3	0	-	1	8.3	2	16.7

TABLE B-9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF PREVIOUS LIVE BIRTHS
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	NUMBER OF PREVIOUS LIVE BIRTHS											
		NONE		ONE		TWO		THREE		FOUR OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	69,050	40.4	56,558	33.1	28,002	16.4	10,446	6.1	6,836	4.0	161	0.1
UNDER 15	437	423	96.8	14	3.2	0	-	0	-	0	-	0	-
15-19	18,139	13,770	75.9	3,444	19.0	763	4.2	136	0.7	16	0.1	10	0.1
20-24	40,880	19,774	48.4	13,451	32.9	5,238	12.8	1,726	4.2	657	1.6	34	0.1
25-29	55,120	21,214	38.5	19,562	35.5	9,233	16.8	3,269	5.9	1,796	3.3	46	0.1
30-34	40,659	10,589	26.0	15,103	37.1	9,072	22.3	3,474	8.5	2,374	5.8	47	0.1
35-39	13,856	2,893	20.9	4,512	32.6	3,301	23.8	1,580	11.4	1,547	11.2	23	0.2
40-44	1,888	374	19.8	459	24.3	381	20.2	251	13.3	423	22.4	0	-
45 & OVER	62	10	16.1	9	14.5	11	17.7	10	16.1	22	35.5	0	-
UNKNOWN	12	3	25.0	4	33.3	3	25.0	0	-	1	8.3	1	8.3

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-10
RESIDENT LIVE BIRTHS BY AGE AND MARITAL STATUS OF MOTHER
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	MARITAL STATUS					
		MARRIED		UNMARRIED		UNKNOWN	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
ALL AGES	171,053	121,343	70.9	49,068	28.7	642	0.4
UNDER 15	437	5	1.1	432	98.9	0	-
15-19	18,139	3,560	19.6	14,530	80.1	49	0.3
20-24	40,880	23,292	57.0	17,443	42.7	145	0.4
25-29	55,120	44,950	81.5	9,945	18.0	225	0.4
30-34	40,659	35,647	87.7	4,848	11.9	164	0.4
35-39	13,856	12,224	88.2	1,580	11.4	52	0.4
40-44	1,888	1,602	84.9	280	14.8	6	0.3
45 & OVER	62	55	88.7	7	11.3	0	-
UNKNOWN	12	8	66.7	3	25.0	1	8.3

TABLE B-11
RESIDENT LIVE BIRTHS BY AGE AND EDUCATION OF MOTHER
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	HIGHEST GRADE COMPLETED											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	4,633	2.7	23,173	13.5	76,878	44.9	31,362	18.3	32,995	19.3	2,012	1.2
UNDER 15	437	298	68.2	113	25.9	0	-	0	-	0	-	26	5.9
15-19	18,139	1,070	5.9	9,402	51.8	6,577	36.3	752	4.1	3	0.0	335	1.8
20-24	40,880	1,152	2.8	7,301	17.9	22,974	56.2	7,095	17.4	1,832	4.5	526	1.3
25-29	55,120	1,008	1.8	4,032	7.3	26,169	47.5	11,910	21.6	11,441	20.8	560	1.0
30-34	40,659	662	1.6	1,703	4.2	15,843	39.0	8,637	21.2	13,431	33.0	383	0.9
35-39	13,856	332	2.4	517	3.7	4,651	33.6	2,648	19.1	5,554	40.1	154	1.1
40-44	1,888	103	5.5	103	5.5	639	33.8	308	16.3	714	37.8	21	1.1
45 & OVER	62	6	9.7	2	3.2	22	35.5	11	17.7	19	30.6	2	3.2
UNKNOWN	12	2	16.7	0	-	3	25.0	1	8.3	1	8.3	5	41.7

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-12
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND TYPE OF MEDICAL CONDITION
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	MEDICAL RISK FACTORS OF MOTHER		COMPLICATIONS OF LABOR AND/OR DELIVERY		ABNORMAL CONDITIONS OF NEWBORN		CONGENITAL ANOMALIES**	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	171,053	35,948	21.0	60,438	35.3	8,644	5.1	3,446	2.0
UNDER 15	437	165	37.8	194	44.4	34	7.8	8	1.8
15-19	18,139	4,078	22.5	6,699	36.9	1,112	6.1	432	2.4
20-24	40,880	8,495	20.8	14,669	35.9	2,233	5.5	893	2.2
25-29	55,120	10,652	19.3	19,365	35.1	2,652	4.8	1,040	1.9
30-34	40,659	8,366	20.6	13,816	34.0	1,834	4.5	767	1.9
35-39	13,856	3,546	25.6	4,935	35.6	686	5.0	261	1.9
40-44	1,888	620	32.8	737	39.0	88	4.7	40	2.1
45 & OVER	62	25	40.3	21	33.9	5	8.1	5	8.1
UNKNOWN	12	1	8.3	2	16.7	0	-	0	-

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.
** SEE TECHNICAL NOTES FOR QUALIFICATIONS ABOUT THE REPORTING OF CONGENITAL ANOMALIES.
NOTE: MORE THAN ONE TYPE OF MEDICAL CONDITION MAY BE REPORTED FOR A LIVE BIRTH.

TABLE B-13
RESIDENT LIVE BIRTHS, REPORTED CONGENITAL ANOMALIES BY TYPE,
PENNSYLVANIA, 1990

CONGENITAL ANOMALIES	NUMBER
TOTAL BIRTHS	171,053
BIRTHS WITH ANOMALY(IES) REPORTED	3,446
CENTRAL NERVOUS SYSTEM ANOMALIES	
ANENCEPHALUS	10
SPINA BIFIDA/MENINGOCELE	48
HYDROCEPHALUS	49
MICROCEPHALUS	16
OTHER CENTRAL NERVOUS SYSTEM ANOMALIES	48
CIRCULATORY/RESPIRATORY ANOMALIES	
HEART MALFORMATIONS	175
OTHER CIRCULATORY/ RESPIRATORY ANOMALIES	186
GASTROINTESTINAL ANOMALIES	
RECTAL ATRESIA/STENOSIS	11
TRACHEO-ESOPHAGEAL FISTULA/ ESOPHAGEAL ATRESIA	23
OMPHALOCELE/GASTROSCHISIS	41
OTHER GASTROINTESTINAL ANOMALIES	70
UROGENITAL ANOMALIES	
MALFORMED GENITALIA	71
RENAL AGENESIS	19
OTHER UROGENITAL ANOMALIES	335
MUSCULOSKELETAL/INTEGUMENTAL ANOMALIES	
CLEFT LIP/PALATE	165
POLYDACTYLY/SYNDACTYLY/ADACTYLY	166
CLUB FOOT	112
DIAPHRAGMATIC HERNIA	29
OTHER MUSCULOSKELETAL/ INTEGUMENTAL ANOMALIES	288
CHROMOSOMAL ANOMALIES	
DOWN SYNDROME	78
OTHER CHROMOSOMAL ANOMALIES	81
OTHER ANOMALIES	1,808
NONE	163,540
UNKNOWN	4,067

NOTE: MORE THAN ONE TYPE OF CONGENITAL ANOMALY MAY BE REPORTED FOR A LIVE BIRTH.

TABLE B-14A
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY
NUMBER: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	METHOD OF DELIVERY							
		VAGINAL				CESAREAN			UNKNOWN METHOD
		TOTAL*	VBAC**	FORCEPS	VACUUM	TOTAL	PRIMARY	REPEAT	
ALL AGES	171,053	130,507	4,209	10,016	9,537	37,437	22,706	14,731	3,109
UNDER 15	437	366	2	33	20	71	66	5	0
15-19	18,139	15,154	216	1,080	1,039	2,835	2,453	382	150
20-24	40,880	32,439	904	2,280	2,171	7,910	5,391	2,519	531
25-29	55,120	41,600	1,448	3,460	3,248	12,482	7,464	5,018	1,038
30-34	40,659	29,913	1,208	2,334	2,237	9,788	5,056	4,732	958
35-39	13,856	9,724	389	743	734	3,756	1,911	1,845	376
40-44	1,888	1,260	41	82	85	576	353	223	52
45 & OVER	62	43	1	4	3	18	11	7	1
UNKNOWN	12	8	0	0	0	1	1	0	3

* THE ROW TOTAL FOR VAGINAL DOES NOT ADD SINCE A VAGINAL DELIVERY MAY INCLUDE ALL, SOME, OR NONE OF THE SPECIFIED TYPES OF VAGINAL DELIVERY.
**VAGINAL BIRTH AFTER PREVIOUS CESAREAN.

TABLE B-14B
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY
PERCENT: PENNSYLVANIA, 1990

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	METHOD OF DELIVERY		
		VAGINAL	CESAREAN	UNKNOWN
ALL AGES	100.0	76.3	21.9	1.8
UNDER 15	100.0	83.8	16.2	-
15-19	100.0	83.5	15.6	0.8
20-24	100.0	79.4	19.3	1.3
25-29	100.0	75.5	22.6	1.9
30-34	100.0	73.6	24.1	2.4
35-39	100.0	70.2	27.1	2.7
40-44	100.0	66.7	30.5	2.8
45 & OVER	100.0	69.4	29.0	1.6
UNKNOWN	100.0	66.7	8.3	25.0

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

NOTE: ROWS MAY NOT TOTAL 100.0 PERCENT DUE TO ROUNDING.

TABLE B-15A
RESIDENT LIVE BIRTHS BY APGAR SCORE AT ONE MINUTE
BY RACE AND HISPANIC ORIGIN OF MOTHER, PENNSYLVANIA, 1990

APGAR SCORE	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE*	BLACK	
TOTAL	171,053	142,724	25,432	5,616
0-3	3,658	2,524	1,073	149
4	1,827	1,380	425	73
5	2,749	2,139	568	98
6	4,779	3,766	955	151
7	13,680	11,269	2,240	477
8	68,930	57,073	10,728	2,547
9	72,894	62,443	9,074	2,068
10	1,636	1,556	59	29
UNKNOWN	900	574	310	24

TABLE B-15B
RESIDENT LIVE BIRTHS BY APGAR SCORE AT FIVE MINUTES
BY RACE AND HISPANIC ORIGIN OF MOTHER, PENNSYLVANIA, 1990

APGAR SCORE	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE*	BLACK	
TOTAL	171,053	142,724	25,432	5,616
0-3	841	527	305	37
4	223	160	61	8
5	412	299	109	16
6	899	642	243	31
7	2,081	1,577	482	64
8	10,317	8,034	2,137	434
9	125,879	103,304	20,379	4,378
10	29,540	27,637	1,416	626
UNKNOWN	861	544	300	22

* UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE B-16
NAMES MOST FREQUENTLY GIVEN TO LIVE BIRTHS OCCURRING IN PENNSYLVANIA BY SEX OF CHILD, 1990 AND 1960, AND RACE AND HISPANIC ORIGIN OF MOTHER AND SEX OF CHILD, 1990

TOP TEN NAMES FEMALES, 1990 AND 1960

RANK	1990	1960
1	ASHLEY	MARY
2	JESSICA	SUSAN
3	AMANDA	DONNA
4	BRITTANY	KAREN
5	SAMANTHA	PATRICIA
6	SARAH	LINDA
7	LAUREN	LISA
8	NICOLE	DEBORAH
9	MEGAN	BARBARA
10	STEPHANIE	KATHLEEN

TOP TEN NAMES FEMALES BY RACE AND HISPANIC ORIGIN OF MOTHER, 1990

RANK	WHITE	BLACK	HISPANIC ORIGIN
1	AMANDA	JASMINE	JESSICA
2	JESSICA	ASHLEY	AMANDA
3	ASHLEY	BRITTANY	ASHLEY
4	BRITTANY	TIFFANY	STEPHANIE
5	SAMANTHA	AMBER	CHRISTINA
6	SARAH	JESSICA	JASMINE
7	LAUREN	COURTNEY	JENNIFER
8	MEGAN	DANIELLE	MARIA
9	NICOLE	DOMINIQUE	YESENIA
10	EMILY	NICOLE	VANESSA

TOP TEN NAMES MALES, 1990 AND 1960

RANK	1990	1960
1	MICHAEL	JOHN
2	MATTHEW	MICHAEL
3	CHRISTOPHER	DAVID
4	JOSHUA	ROBERT
5	ANDREW	JAMES
6	RYAN	WILLIAM
7	JOSEPH	MARK
8	JOHN	JOSEPH
9	DANIEL	THOMAS
10	DAVID	RICHARD

TOP TEN NAMES MALES BY RACE AND HISPANIC ORIGIN OF MOTHER, 1990

RANK	WHITE	BLACK	HISPANIC ORIGIN
1	MICHAEL	MICHAEL	JOSE
2	MATTHEW	ANTHONY	MICHAEL
3	CHRISTOPHER	CHRISTOPHER	LUIS
4	JOSHUA	BRANDON	DAVID
5	ANDREW	JAMES	JONATHAN
6	RYAN	ROBERT	CHRISTOPHER
7	JOSEPH	WILLIAM	CARLOS
8	JOHN	KEVIN	ANGEL
9	DANIEL	ERIC	ANTHONY
10	DAVID	(TIE) DAVID (TIE) JOSHUA	JOSHUA

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE B-17
RESIDENT LIVE BIRTHS BY RACE OF MOTHER, SEX OF CHILD, AND COUNTY
ALL BIRTHS, BIRTH AND GENERAL FERTILITY RATES*: PENNSYLVANIA, 1990

COUNTY	ALL BIRTHS	BIRTH RATE	GENERAL FERTILITY RATE	WHITE **			BLACK		
				TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
ALL COUNTIES	171,053	14.4	63.6	142,724	73,443	69,281	25,432	12,813	12,619
ADAMS	1,132	14.5	62.4	1,103	572	531	24	8	16
ALLEGHENY	18,076	13.5	59.9	14,391	7,345	7,046	3,432	1,727	1,705
ARMSTRONG	890	12.1	57.4	885	438	447	3	3	0
BEAVER	2,437	13.1	61.8	2,201	1,161	1,040	227	102	125
BEDFORD	560	11.7	56.0	559	281	278	0	0	0
BERKS	4,954	14.7	65.9	4,681	2,476	2,205	237	126	111
BLAIR	1,603	12.3	56.8	1,587	815	772	12	4	8
BRADFORD	901	14.8	68.6	892	451	441	2	1	1
BUCKS	8,038	14.9	62.8	7,570	3,880	3,690	295	158	137
BUTLER	2,051	13.5	57.9	2,041	1,035	1,006	4	1	3
CAMBRIA	1,897	11.6	56.4	1,844	941	903	50	20	30
CAMERON	87	14.7	76.1	87	48	39	0	0	0
CARBON	646	11.4	55.2	640	344	296	3	0	3
CENTRE	1,525	12.3	44.5	1,417	716	701	24	14	10
CHESTER	5,902	15.7	64.6	5,416	2,832	2,584	417	214	203
CLARION	497	11.9	49.2	492	253	239	2	1	1
CLEARFIELD	994	12.7	60.7	986	517	469	3	1	2
CLINTON	470	12.6	55.5	464	239	225	1	1	0
COLUMBIA	750	11.9	48.9	740	388	352	6	4	2
CRAWFORD	1,138	13.2	60.4	1,124	557	567	9	7	2
CUMBERLAND	2,431	12.5	51.3	2,350	1,213	1,137	50	27	23
DAUPHIN	3,688	15.5	66.4	2,785	1,429	1,356	835	419	416
DELAWARE	8,429	15.4	67.4	6,800	3,517	3,283	1,439	758	681
ELK	470	13.5	66.2	469	240	229	0	0	0
ERIE	4,205	15.3	65.5	3,757	1,899	1,858	422	232	190
FAYETTE	1,877	12.9	61.2	1,785	934	851	91	46	45
FOREST	52	10.8	60.4	51	27	24	0	0	0
FRANKLIN	1,546	12.8	57.4	1,471	754	717	63	25	38
FULTON	150	10.8	50.0	146	65	81	2	1	1
GREENE	446	11.3	50.1	442	218	224	1	0	1
HUNTINGDON	523	11.8	57.8	519	273	246	4	1	3
INDIANA	1,046	11.6	46.5	1,030	527	503	10	6	4
JEFFERSON	586	12.7	61.7	583	287	296	0	0	0

(CONTINUED)

TABLE B-17
RESIDENT LIVE BIRTHS BY RACE OF MOTHER, SEX OF CHILD, AND COUNTY
ALL BIRTHS, BIRTH AND GENERAL FERTILITY RATES*: PENNSYLVANIA, 1990

COUNTY	ALL BIRTHS	BIRTH RATE	GENERAL FERTILITY RATE	W H I T E **			B L A C K		
				TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
JUNIATA	264	12.8	60.0	263	137	126	0	0	0
LACKAWANNA	2,664	12.2	57.6	2,616	1,390	1,226	30	15	15
LANCASTER	7,280	17.2	74.4	6,934	3,586	3,348	242	114	128
LAWRENCE	1,143	11.9	56.9	1,068	546	522	68	31	37
LEBANON	1,524	13.4	60.7	1,506	795	711	6	5	1
LEHIGH	4,147	14.2	62.6	3,885	1,952	1,933	183	79	104
LUZERNE	3,793	11.6	56.5	3,715	1,904	1,811	45	23	22
LYCOMING	1,705	14.4	64.7	1,614	845	769	79	41	38
MCKEAN	623	13.2	64.8	618	302	316	1	0	1
MERCER	1,461	12.1	57.4	1,330	674	665	118	59	59
MIFFLIN	675	14.6	68.9	672	340	332	1	1	0
MONROE	1,495	15.6	67.0	1,443	752	691	35	18	17
MONTGOMERY	9,921	14.6	64.4	8,972	4,632	4,340	679	342	337
MONTOUR	249	14.0	62.8	247	135	112	1	1	0
NORTHAMPTON	3,376	13.7	60.4	3,239	1,630	1,609	103	56	47
NORTHUMBERLAND	1,167	12.1	59.0	1,161	587	574	1	1	0
PERRY	609	14.8	63.4	604	300	304	1	1	0
PHILADELPHIA	29,714	18.7	78.6	12,950	6,636	6,314	15,601	7,814	7,787
PIKE	434	15.5	75.0	427	211	216	2	0	2
POTTER	242	14.5	71.9	241	132	109	0	0	0
SCHUYLKILL	1,794	11.8	59.7	1,779	965	814	5	4	1
SNYDER	535	14.6	62.1	535	268	267	0	0	0
SOMERSET	914	11.7	56.3	911	472	439	2	1	1
SULLIVAN	55	9.0	48.5	55	32	23	0	0	0
SUSQUEHANNA	612	15.2	73.4	608	315	293	0	0	0
TIOGA	524	12.7	57.5	516	265	251	2	2	0
UNION	414	11.4	50.5	412	210	202	1	1	0
VENANGO	787	13.3	62.6	781	405	376	4	2	2
WARREN	566	12.6	60.7	564	298	266	1	1	0
WASHINGTON	2,413	11.8	55.1	2,273	1,176	1,097	131	70	61
WAYNE	559	14.0	70.0	558	289	269	1	1	0
WESTMORELAND	4,386	11.8	55.4	4,244	2,181	2,063	121	64	57
WYOMING	386	13.7	60.0	384	201	183	1	1	0
YORK	4,625	13.6	58.4	4,282	2,208	2,074	299	158	141

* BIRTH RATE PER 1,000 POPULATION FOR EACH SPECIFIED COUNTY, 1990.
GENERAL FERTILITY RATE: NUMBER OF TOTAL LIVE BIRTHS PER 1,000 FEMALES OF CHILDBEARING AGE (BETWEEN THE AGES OF 15 AND 44 YEARS), 1990.
** UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-18
RESIDENT LIVE BIRTHS BY RACE OF MOTHER, SEX OF CHILD, AND COUNTY
NUMBER AND AVERAGE ANNUAL RATE: PENNSYLVANIA, 1986-1990

COUNTY	TOTAL BIRTHS 1986-90	BIRTH RATE*	WHITE ** TOTAL	WHITE ** MALE***	WHITE ** FEMALE	BLACK TOTAL	BLACK MALE***	BLACK FEMALE
ALL COUNTIES	827,014	13.8	695,596	357,661	337,935	119,310	60,318	58,992
ADAMS	5,188	14.0	5,077	2,605	2,472	86	43	43
ALLEGHENY	88,499	13.0	71,080	36,435	34,645	16,381	8,355	8,026
ARMSTRONG	4,492	11.6	4,458	2,237	2,221	27	12	15
BEAVER	11,485	12.1	10,405	5,382	5,023	1,023	499	524
BEDFORD	2,840	11.9	2,835	1,478	1,357	3	3	0
BERKS	22,672	13.8	21,580	11,101	10,479	914	461	453
BLAIR	8,076	12.2	7,984	4,131	3,853	73	33	40
BRADFORD	4,384	13.8	4,353	2,247	2,106	6	5	1
BUCKS	38,607	14.4	36,570	18,985	17,585	1,370	694	676
BUTLER	10,129	13.3	10,076	5,123	4,953	25	13	12
CAMBRIA	9,189	10.8	8,934	4,573	4,361	229	112	117
CAMERON	452	14.3	446	233	213	6	1	5
CARBON	3,240	11.6	3,221	1,664	1,557	3	0	3
CENTRE	7,179	12.3	6,698	3,444	3,254	98	52	46
CHESTER	27,571	15.4	25,259	13,003	12,256	2,049	1,020	1,029
CLARION	2,522	12.0	2,487	1,253	1,234	10	7	3
CLEARFIELD	5,243	13.0	5,212	2,713	2,499	11	5	6
CLINTON	2,205	11.6	2,189	1,172	1,017	4	3	1
COLUMBIA	3,641	11.8	3,609	1,846	1,763	15	7	8
CRAWFORD	5,640	13.1	5,533	2,822	2,711	87	38	49
CUMBERLAND	11,267	11.6	10,921	5,559	5,362	203	101	102
DAUPHIN	17,911	15.0	13,581	7,011	6,570	4,055	2,017	2,038
DELAWARE	40,796	14.6	33,495	17,176	16,319	6,539	3,334	3,205
ELK	2,462	13.5	2,457	1,257	1,200	0	0	0
ERIE	20,259	14.6	18,283	9,324	8,959	1,849	946	903
FAYETTE	9,066	12.0	8,615	4,528	4,087	438	232	206
FOREST	264	11.1	261	145	116	1	0	1
FRANKLIN	7,780	13.0	7,514	3,782	3,732	217	92	125
FULTON	914	12.9	895	447	448	16	5	11
GREENE	2,372	11.9	2,349	1,208	1,141	11	7	4
HUNTINGDON	2,631	12.2	2,598	1,339	1,259	25	10	15
INDIANA	5,252	11.5	5,182	2,647	2,535	44	20	24
JEFFERSON	3,017	12.7	3,011	1,535	1,476	2	1	1

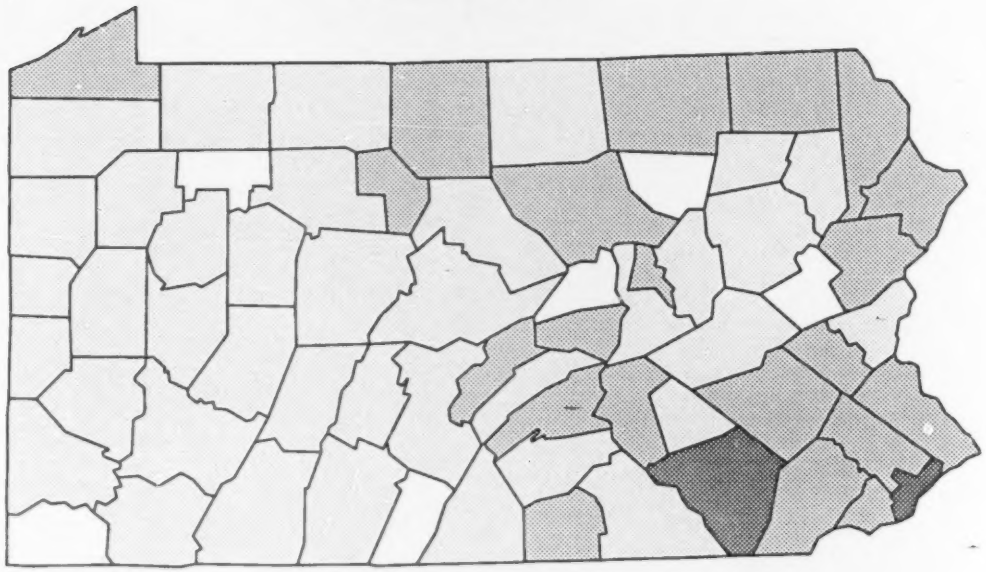
(CONTINUED)

TABLE B-18
RESIDENT LIVE BIRTHS BY RACE OF MOTHER, SEX OF CHILD, AND COUNTY
NUMBER AND AVERAGE ANNUAL RATE: PENNSYLVANIA, 1986-1990

COUNTY	TOTAL BIRTHS 1986-90	BIRTH RATE*	WHITE **			BLACK		
			TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
JUNIATA	1,339	13.2	1,334	687	647	2	1	1
LACKAWANNA	13,258	11.9	13,039	6,723	6,316	136	74	62
LANCASTER	33,762	16.4	32,166	16,526	15,640	1,113	557	556
LAWRENCE	5,767	11.5	5,468	2,813	2,655	283	138	145
LEBANON	7,494	13.2	7,379	3,839	3,540	38	22	16
LEHIGH	19,571	13.6	18,490	9,398	9,092	716	357	359
LUZERNE	18,863	11.4	18,575	9,622	8,953	162	82	80
LYCOMING	8,164	13.8	7,883	4,077	3,806	242	123	119
MCKEAN	2,928	12.6	2,909	1,502	1,407	9	4	5
MERCER	7,212	11.8	6,647	3,393	3,254	540	270	270
MIFFLIN	3,257	14.0	3,240	1,658	1,582	8	4	4
MONROE	6,256	13.7	6,079	3,134	2,945	106	58	48
MONTGOMERY	47,509	13.9	43,171	22,229	20,942	3,201	1,606	1,595
MONTOUR	1,231	14.6	1,215	605	610	3	1	2
NORTHAMPTON	15,435	12.7	14,824	7,551	7,273	428	218	210
NORTHUMBERLAND	5,843	11.9	5,819	2,974	2,845	11	6	5
PERRY	2,942	14.6	2,925	1,510	1,415	4	2	2
PHILADELPHIA	144,465	17.7	65,789	33,785	32,004	73,908	37,298	36,610
PIKE	1,666	12.8	1,651	814	837	7	3	4
POTTER	1,192	13.5	1,191	641	550	0	0	0
SCHUYLKILL	8,604	11.1	8,537	4,480	4,057	24	13	11
SNYDER	2,623	14.5	2,616	1,336	1,280	0	0	0
SOMERSET	4,796	12.0	4,788	2,445	2,343	3	1	2
SULLIVAN	296	9.3	294	157	137	0	0	0
SUSQUEHANNA	2,753	13.6	2,741	1,418	1,323	1	1	0
TIOGA	2,520	12.4	2,496	1,275	1,221	13	10	3
UNION	2,181	12.4	2,165	1,103	1,062	8	4	4
VENANGO	3,807	12.5	3,770	1,941	1,829	26	15	11
WARREN	2,967	13.0	2,951	1,534	1,417	4	4	0
WASHINGTON	11,775	11.3	11,207	5,767	5,440	529	272	257
WAYNE	2,571	12.9	2,564	1,332	1,232	5	1	4
WESTMORELAND	21,650	11.5	20,991	10,752	10,239	572	290	282
WYOMING	1,895	13.5	1,886	971	915	5	2	3
YORK	23,177	13.9	21,628	11,264	10,364	1,383	753	630

* BIRTH RATE PER 1,000 POPULATION FOR EACH SPECIFIED COUNTY, 1986-1990.
** UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

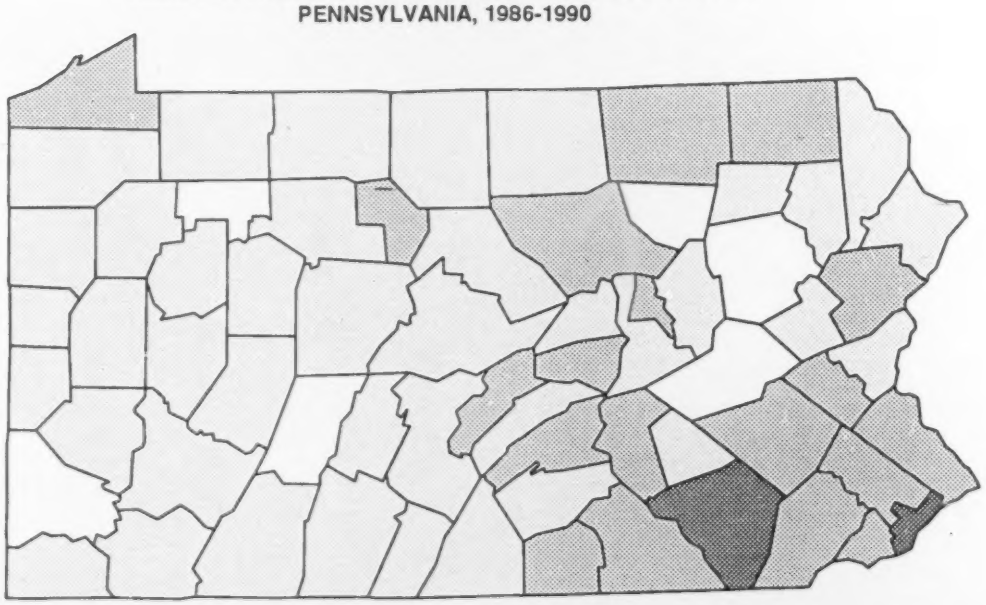
FIGURE B-8
RESIDENT BIRTH RATES BY COUNTY
PENNSYLVANIA, 1990



RATE 9.0 - 11.4 11.5 - 13.8 13.9 - 16.3 16.4 - 18.7

NOTE: RATE PER 1,000 POPULATION, 1990. SEE TABLE B-17 FOR COUNTY RATES.

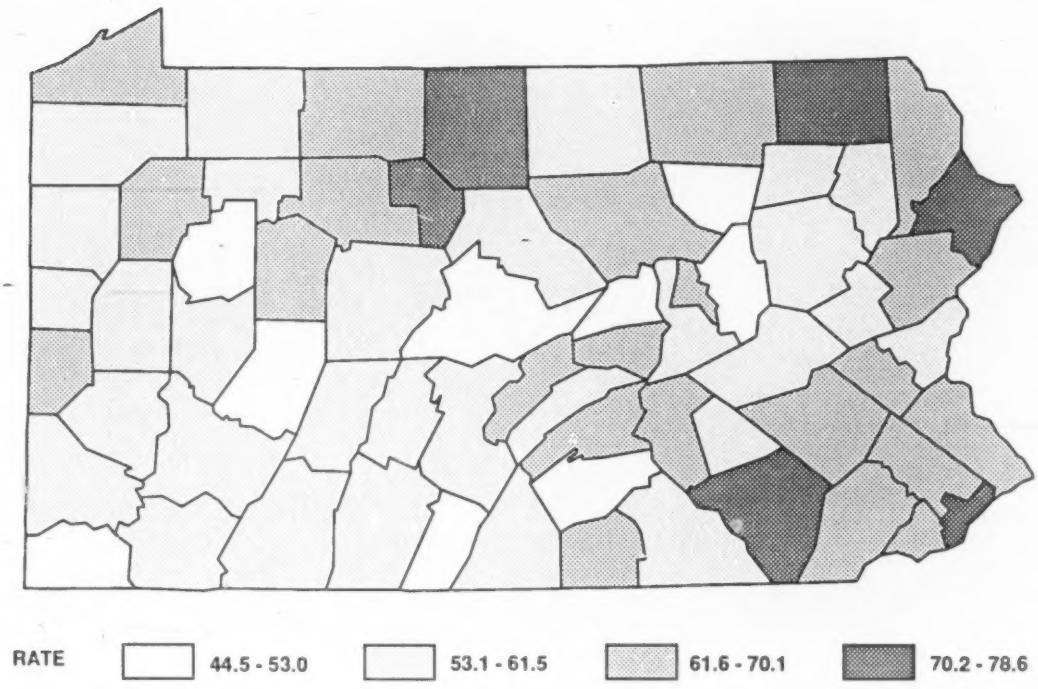
FIGURE B-9
RESIDENT AVERAGE ANNUAL BIRTH RATES BY COUNTY
PENNSYLVANIA, 1986-1990



RATE 9.3 - 11.4 11.5 - 13.5 13.6 - 15.6 15.7 - 17.7

NOTE: RATE PER 1,000 POPULATION, 1986-1990. SEE TABLE B-18 FOR COUNTY RATES.

FIGURE B-10
GENERAL FERTILITY RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1990



NOTE: GENERAL FERTILITY RATE IS THE NUMBER OF LIVE BIRTHS PER 1,000 FEMALES BETWEEN THE AGES OF 15 AND 44 YEARS. SEE TABLE B-17 FOR COUNTY RATES.

TABLE B-19
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND COUNTY
PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	AGE OF MOTHER (IN YEARS) UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
ALL COUNTIES	171,053	437	18,139	40,880	55,120	40,659	13,856	1,888	62	12
ADAMS	1,132	3	122	342	390	204	64	7	0	0
ALLEGHENY	18,076	49	1,573	3,437	5,797	5,172	1,820	220	8	0
ARMSTRONG	890	3	106	249	308	165	53	6	0	0
BEAVER	2,437	8	254	583	820	582	171	19	0	0
BEDFORD	560	0	91	192	169	81	24	3	0	0
BERKS	4,954	16	520	1,249	1,701	1,055	370	42	1	0
BLAIR	1,603	1	220	467	517	280	105	13	0	0
BRADFORD	901	2	130	275	286	143	55	10	0	0
BUCKS	8,038	5	405	1,318	2,843	2,490	875	98	4	0
BUTLER	2,051	1	150	456	748	531	149	16	0	0
CAMBRIA	1,897	1	238	491	601	426	125	15	0	0
CAMERON	87	0	14	26	25	16	3	3	0	0
CARBON	646	0	55	184	229	130	41	7	0	0
CENTRE	1,525	1	121	343	568	357	120	14	1	0
CHESTER	5,902	9	303	892	1,926	1,934	757	76	4	1
CLARION	497	1	59	158	159	92	25	2	1	0
CLEARFIELD	994	1	137	359	284	156	46	11	0	0
CLINTON	470	0	61	150	149	75	27	7	1	0
COLUMBIA	750	0	101	215	230	147	47	10	0	0
CRAWFORD	1,138	3	111	344	378	227	65	10	0	0
CUMBERLAND	2,431	2	227	550	820	609	190	32	1	0
DAUPHIN	3,688	10	465	960	1,100	835	276	41	1	0
DELAWARE	8,429	18	648	1,461	2,825	2,481	872	120	4	0
ELK	470	1	39	146	160	100	22	2	0	0
ERIE	4,205	10	558	1,145	1,252	916	283	41	0	0
FAYETTE	1,877	6	322	573	538	304	112	22	0	0
FOREST	52	0	9	19	12	9	1	2	0	0
FRANKLIN	1,546	3	176	453	505	304	94	11	0	0
FULTON	150	0	22	49	48	23	8	0	0	0
GREENE	446	1	69	134	136	68	33	5	0	0
HUNTINGDON	523	1	78	173	151	93	21	6	0	0
INDIANA	1,046	1	123	309	303	213	84	12	1	0
JEFFERSON	586	1	74	204	156	101	45	4	1	0

(CONTINUED)

TABLE B-19
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND COUNTY
PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	AGE OF MOTHER (IN YEARS) UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
JUNIATA	264	0	32	76	94	42	18	2	0	0
LACKAWANNA	2,664	3	224	607	879	682	228	39	1	1
LANCASTER	7,280	12	596	1,890	2,525	1,608	554	92	2	1
LAWRENCE	1,143	2	125	310	365	251	71	19	0	0
LEBANON	1,524	1	158	427	539	289	96	14	0	0
LEHIGH	4,147	5	372	908	1,416	1,075	334	36	1	0
LUZERNE	3,793	4	431	911	1,177	891	325	52	1	1
LYCOMING	1,705	2	240	529	510	319	95	10	0	0
MCKEAN	623	1	103	205	187	99	23	5	0	0
MERCER	1,461	5	181	431	438	297	98	11	0	0
MIFFLIN	675	1	90	236	190	104	46	8	0	0
MONROE	1,495	1	104	302	540	398	122	27	0	1
MONTGOMERY	9,921	9	422	1,390	3,423	3,323	1,182	167	4	1
MONTOUR	249	0	22	64	89	53	20	1	0	0
NORTHAMPTON	3,376	2	303	728	1,160	868	285	26	3	1
NORTHUMBERLAND	1,167	1	152	367	358	213	63	13	0	0
PERRY	609	2	67	193	186	123	32	6	0	0
PHILADELPHIA	29,714	212	4,895	8,369	8,526	5,487	1,910	296	15	4
PIKE	434	0	15	75	188	104	47	5	0	0
POTTER	242	0	36	78	63	45	19	1	0	0
SCHUYLKILL	1,794	2	222	519	566	364	102	19	0	0
SNYDER	535	1	54	157	191	83	38	11	0	0
SOMERSET	914	0	108	274	292	168	63	9	0	0
SULLIVAN	55	0	5	13	21	10	6	0	0	0
SUSQUEHANNA	612	0	56	150	211	145	42	8	0	0
TIOGA	524	1	70	200	142	82	27	2	0	0
UNION	414	0	38	112	139	85	35	5	0	0
VENANGO	787	0	76	234	254	164	52	6	1	0
WARREN	566	1	57	158	200	107	37	5	0	1
WASHINGTON	2,413	0	247	563	790	596	195	19	3	0
WAYNE	559	1	43	148	180	133	46	7	1	0
WESTMORELAND	4,386	1	397	1,045	1,437	1,112	353	39	2	0
WYOMING	386	3	54	102	111	81	30	5	0	0
YORK	4,625	6	563	1,203	1,599	939	279	36	0	0

TABLE B-20
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	171,053	2,460	1.4	9,804	5.7	88,902	52.0	66,651	39.0	3,149	1.8	87	0.1
ADAMS	1,132	15	1.3	57	5.0	583	51.5	462	40.8	15	1.3	0	-
ALLEGHENY	18,076	294	1.6	1,155	6.4	9,239	51.1	7,072	39.1	305	1.7	11	0.1
ARMSTRONG	890	12	1.3	43	4.8	460	51.7	357	40.1	18	2.0	0	-
BEAVER	2,437	47	1.9	146	6.0	1,242	51.0	956	39.2	46	1.9	0	-
BEDFORD	560	6	1.1	28	5.0	287	51.2	228	40.7	11	2.0	0	-
BERKS	4,954	61	1.2	238	4.8	2,479	50.0	2,077	41.9	94	1.9	5	0.1
BLAIR	1,603	16	1.0	80	5.0	811	50.6	666	41.5	30	1.9	0	-
BRADFORD	901	8	0.9	34	3.8	442	49.1	397	44.1	19	2.1	1	0.1
BUCKS	8,038	77	1.0	355	4.4	3,942	49.0	3,483	43.3	173	2.2	8	0.1
BUTLER	2,051	21	1.0	98	4.8	995	48.5	887	43.2	46	2.2	4	0.2
CAMBRIA	1,897	26	1.4	110	5.8	1,000	52.7	743	39.2	15	0.8	3	0.2
CAMERON	87	1	1.1	8	9.2	43	49.4	35	40.2	0	-	0	-
CARBON	646	7	1.1	35	5.4	367	56.8	228	35.3	9	1.4	0	-
CENTRE	1,525	19	1.2	74	4.9	769	50.4	642	42.1	20	1.3	1	0.1
CHESTER	5,902	64	1.1	226	3.8	2,724	46.2	2,734	46.3	151	2.6	3	0.1
CLARION	497	6	1.2	18	3.6	259	52.1	204	41.0	10	2.0	0	-
CLEARFIELD	994	9	0.9	52	5.2	534	53.7	387	38.9	12	1.2	0	-
CLINTON	470	3	0.6	22	4.7	272	57.9	166	35.3	7	1.5	0	-
COLUMBIA	750	12	1.6	35	4.7	403	53.7	288	38.4	12	1.6	0	-
CRAWFORD	1,138	11	1.0	57	5.0	575	50.5	469	41.2	26	2.3	0	-
CUMBERLAND	2,431	30	1.2	119	4.9	1,173	48.3	1,051	43.2	58	2.4	0	-
DAUPHIN	3,688	51	1.4	252	6.8	1,938	52.5	1,393	37.8	53	1.4	1	0.0
DELAWARE	8,429	107	1.3	417	4.9	4,142	49.1	3,570	42.4	192	2.3	1	0.0
ELK	470	2	0.4	16	3.4	242	51.5	201	42.8	9	1.9	0	-
ERIE	4,205	54	1.3	206	4.9	2,225	52.9	1,639	39.0	81	1.9	0	-
FAYETTE	1,877	34	1.8	106	5.6	1,035	55.1	660	35.2	39	2.1	3	0.2
FOREST	52	0	-	4	7.7	30	57.7	14	26.9	4	7.7	0	-
FRANKLIN	1,546	16	1.0	60	3.9	758	49.0	678	43.9	34	2.2	0	-
FULTON	150	1	0.7	2	1.3	85	56.7	57	38.0	5	3.3	0	-
GREENE	446	2	0.4	22	4.9	223	50.0	188	42.2	11	2.5	0	-
HUNTINGDON	523	6	1.1	23	4.4	281	53.7	205	39.2	8	1.5	0	-
INDIANA	1,046	10	1.0	53	5.1	587	56.1	384	36.7	11	1.1	1	0.1
JEFFERSON	586	9	1.5	20	3.4	322	54.9	226	38.6	9	1.5	0	-

(CONTINUED)

TABLE B-20
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	264	4	1.5	15	5.7	116	43.9	123	46.6	6	2.3	0	-
LACKAWANNA	2,664	22	0.8	147	5.5	1,459	54.8	994	37.3	41	1.5	1	0.0
LANCASTER	7,280	70	1.0	341	4.7	3,457	47.5	3,237	44.5	171	2.3	4	0.1
LAWRENCE	1,143	11	1.0	66	5.8	581	50.8	462	40.4	23	2.0	0	-
LEBANON	1,524	18	1.2	69	4.5	770	50.5	648	42.5	19	1.2	0	-
LEHIGH	4,147	45	1.1	229	5.5	2,150	51.8	1,643	39.6	80	1.9	0	-
LUZERNE	3,793	31	0.8	186	4.9	1,946	51.3	1,569	41.4	60	1.6	1	0.0
LYCOMING	1,705	19	1.1	76	4.5	887	52.0	687	40.3	34	2.0	2	0.1
MCKEAN	623	10	1.6	32	5.1	326	52.3	246	39.5	8	1.3	1	0.2
MERCER	1,461	17	1.2	77	5.3	810	55.4	532	36.4	24	1.6	1	0.1
MIFFLIN	675	9	1.3	28	4.1	335	49.6	289	42.8	14	2.1	0	-
MONROE	1,495	17	1.1	61	4.1	752	50.3	638	42.7	22	1.5	5	0.3
MONTGOMERY	9,921	115	1.2	440	4.4	4,900	49.4	4,240	42.7	219	2.2	7	0.1
MONTOUR	249	2	0.8	11	4.4	122	49.0	111	44.6	3	1.2	0	-
NORTHAMPTON	3,376	30	0.9	176	5.2	1,728	51.2	1,367	40.5	74	2.2	1	0.0
NORTHUMBERLAND	1,167	10	0.9	50	4.3	611	52.4	469	40.2	27	2.3	0	-
PERRY	609	5	0.8	21	3.4	301	49.4	270	44.3	12	2.0	0	-
PHILADELPHIA	29,714	803	2.7	2,640	8.9	17,228	58.0	8,659	29.1	370	1.2	14	0.0
PIKE	434	2	0.5	13	3.0	207	47.7	195	44.9	14	3.2	3	0.7
POTTER	242	4	1.7	6	2.5	121	50.0	101	41.7	10	4.1	0	-
SCHUYLKILL	1,794	8	0.4	84	4.7	1,002	55.9	676	37.7	24	1.3	0	-
SNYDER	535	7	1.3	22	4.1	250	46.7	242	45.2	14	2.6	0	-
SOMERSET	914	8	0.9	44	4.8	498	54.5	355	38.8	9	1.0	0	-
SULLIVAN	55	0	-	2	3.6	25	45.5	26	47.3	2	3.6	0	-
SUSQUEHANNA	612	8	1.3	23	3.8	316	51.6	247	40.4	18	2.9	0	-
TIOGA	524	6	1.1	27	5.2	285	54.4	193	36.8	12	2.3	1	0.2
UNION	414	5	1.2	15	3.6	211	51.0	172	41.5	11	2.7	0	-
VENANGO	787	10	1.3	45	5.7	396	50.3	320	40.7	16	2.0	0	-
WARREN	566	1	0.2	36	6.4	289	51.1	231	40.8	9	1.6	0	-
WASHINGTON	2,413	27	1.1	116	4.8	1,234	51.1	977	40.5	59	2.4	0	-
WAYNE	559	1	0.2	21	3.8	296	53.0	226	40.4	13	2.3	2	0.4
WESTMORELAND	4,386	41	0.9	241	5.5	2,247	51.2	1,766	40.3	89	2.0	2	0.0
WYOMING	386	2	0.5	22	5.7	215	55.7	144	37.3	3	0.8	0	-
YORK	4,625	55	1.2	251	5.4	2,364	51.1	1,849	40.0	106	2.3	0	-

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

NOTE: LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-21
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, FIVE-YEAR SUMMARY, 1986-1990

COUNTY	TOTAL BIRTHS 1986-90	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	827,014	11,181	1.4	46,771	5.7	432,728	52.3	320,548	38.8	15,138	1.8	648	0.1
ADAMS	5,188	45	0.9	253	4.9	2,681	51.7	2,127	41.0	81	1.6	1	0.0
ALLEGHENY	88,499	1,390	1.6	5,193	5.9	45,961	51.9	34,270	38.7	1,490	1.7	195	0.2
ARMSTRONG	4,492	49	1.1	237	5.3	2,324	51.7	1,797	40.0	83	1.8	2	0.0
BEAVER	11,485	144	1.3	600	5.2	5,950	51.8	4,558	39.7	227	2.0	6	0.1
BEDFORD	2,840	29	1.0	139	4.9	1,456	51.3	1,146	40.4	70	2.5	0	-
BERKS	22,672	273	1.2	1,060	4.7	11,410	50.3	9,461	41.7	457	2.0	11	0.0
BLAIR	8,076	90	1.1	415	5.1	4,115	51.0	3,289	40.7	167	2.1	0	-
BRADFORD	4,384	29	0.7	199	4.5	2,111	48.2	1,935	44.1	109	2.5	1	0.0
BUCKS	38,607	352	0.9	1,727	4.5	19,076	49.4	16,588	43.0	816	2.1	48	0.1
BUTLER	10,129	95	0.9	435	4.3	5,045	49.8	4,329	42.7	210	2.1	15	0.1
CAMBRIA	9,189	95	1.0	517	5.6	4,882	53.1	3,565	38.8	125	1.4	5	0.1
CAMERON	452	11	2.4	21	4.6	237	52.4	177	39.2	6	1.3	0	-
CARBON	3,240	32	1.0	190	5.9	1,763	54.4	1,200	37.0	53	1.6	2	0.1
CENTRE	7,179	75	1.0	306	4.3	3,739	52.1	2,937	40.9	120	1.7	2	0.0
CHESTER	27,571	251	0.9	1,119	4.1	13,154	47.7	12,400	45.0	634	2.3	13	0.0
CLARION	2,522	25	1.0	114	4.5	1,350	53.5	989	39.2	40	1.6	4	0.2
CLEARFIELD	5,243	54	1.0	314	6.0	2,845	54.3	1,967	37.5	63	1.2	0	-
CLINTON	2,205	21	1.0	129	5.9	1,183	53.7	826	37.5	45	2.0	1	0.0
COLUMBIA	3,641	34	0.9	171	4.7	1,932	53.1	1,440	39.5	63	1.7	1	0.0
CRAWFORD	5,640	54	1.0	262	4.6	2,795	49.6	2,403	42.6	121	2.1	5	0.1
CUMBERLAND	11,267	102	0.9	524	4.7	5,534	49.1	4,835	42.9	271	2.4	1	0.0
DAUPHIN	17,911	270	1.5	1,077	6.0	9,419	52.6	6,843	38.2	297	1.7	5	0.0
DELAWARE	40,796	483	1.2	2,059	5.0	20,527	50.3	16,839	41.3	880	2.2	8	0.0
ELK	2,462	22	0.9	111	4.5	1,283	52.1	1,008	40.9	37	1.5	1	0.0
ERIE	20,259	241	1.2	1,078	5.3	10,561	52.1	7,982	39.4	394	1.9	3	0.0
FAYETTE	9,066	105	1.2	513	5.7	4,913	54.2	3,364	37.1	164	1.8	7	0.1
FOREST	264	3	1.1	8	3.0	142	53.8	102	38.6	9	3.4	0	-
FRANKLIN	7,780	73	0.9	297	3.8	3,879	49.9	3,369	43.3	159	2.0	3	0.0
FULTON	914	9	1.0	35	3.8	466	51.0	386	42.2	18	2.0	0	-
GREENE	2,372	18	0.8	124	5.2	1,168	49.2	989	41.7	72	3.0	1	0.0
HUNTINGDON	2,631	26	1.0	123	4.7	1,369	52.0	1,078	41.0	35	1.3	0	-
INDIANA	5,252	58	1.1	247	4.7	2,784	53.0	2,097	39.9	63	1.2	3	0.1
JEFFERSON	3,017	27	0.9	156	5.2	1,629	54.0	1,168	38.7	37	1.2	0	-

(CONTINUED)

TABLE B-21
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, FIVE-YEAR SUMMARY, 1986-1990

COUNTY	TOTAL BIRTHS 1986-90	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	1,339	9	0.7	63	4.7	652	48.7	589	44.0	26	1.9	0	-
LACKAWANNA	13,258	121	0.9	737	5.6	7,269	54.8	4,910	37.0	215	1.6	6	0.0
LANCASTER	33,762	346	1.0	1,437	4.3	16,516	48.9	14,626	43.3	808	2.4	29	0.1
LAWRENCE	5,767	63	1.1	324	5.6	2,940	51.0	2,329	40.4	108	1.9	3	0.1
LEBANON	7,494	68	0.9	328	4.4	3,788	50.5	3,164	42.2	144	1.9	2	0.0
LEHIGH	19,571	234	1.2	1,003	5.1	10,215	52.2	7,734	39.5	377	1.9	8	0.0
LUZERNE	18,863	192	1.0	929	4.9	9,828	52.1	7,563	40.1	348	1.8	3	0.0
LYCOMING	8,164	81	1.0	379	4.6	4,191	51.3	3,359	41.1	152	1.9	2	0.0
MCKEAN	2,928	31	1.1	157	5.4	1,439	49.1	1,239	42.3	57	1.9	5	0.2
MERCER	7,212	65	0.9	414	5.7	3,846	53.3	2,760	38.3	120	1.7	7	0.1
MIFFLIN	3,257	31	1.0	141	4.3	1,553	47.7	1,450	44.5	82	2.5	0	-
MONROE	6,256	59	0.9	278	4.4	3,218	51.4	2,557	40.9	117	1.9	27	0.4
MONTGOMERY	47,509	473	1.0	2,067	4.4	23,557	49.6	20,341	42.8	1,045	2.2	26	0.1
MONTOUR	1,231	10	0.8	46	3.7	620	50.4	533	43.3	22	1.8	0	-
NORTHAMPTON	15,435	160	1.0	788	5.1	7,862	50.9	6,305	40.8	308	2.0	12	0.1
NORTHUMBERLAND	5,843	51	0.9	264	4.5	3,110	53.2	2,318	39.7	99	1.7	1	0.0
PERRY	2,942	19	0.6	126	4.3	1,483	50.4	1,253	42.6	60	2.0	1	0.0
PHILADELPHIA	144,465	3,627	2.5	12,804	8.9	84,203	58.3	41,986	29.1	1,749	1.2	96	0.1
PIKE	1,666	15	0.9	60	3.6	797	47.8	737	44.2	41	2.5	16	1.0
POTTER	1,192	14	1.2	44	3.7	622	52.2	482	40.4	29	2.4	1	0.1
SCHUYLKILL	8,604	69	0.8	433	5.0	4,640	53.9	3,314	38.5	147	1.7	1	0.0
SNYDER	2,623	27	1.0	124	4.7	1,278	48.7	1,120	42.7	72	2.7	2	0.1
SOMERSET	4,796	51	1.1	245	5.1	2,654	55.3	1,774	37.0	69	1.4	3	0.1
SULLIVAN	296	1	0.3	9	3.0	146	49.3	133	44.9	7	2.4	0	-
SUSQUEHANNA	2,753	27	1.0	135	4.9	1,415	51.4	1,101	40.0	73	2.7	2	0.1
TIOGA	2,520	25	1.0	139	5.5	1,295	51.4	1,001	39.7	56	2.2	4	0.2
UNION	2,181	23	1.1	94	4.3	1,053	48.3	950	43.6	59	2.7	2	0.1
VENANGO	3,807	33	0.9	210	5.5	1,958	51.4	1,523	40.0	83	2.2	0	-
WARREN	2,967	22	0.7	156	5.3	1,470	49.5	1,266	42.7	49	1.7	4	0.1
WASHINGTON	11,775	136	1.2	587	5.0	5,995	50.9	4,819	40.9	228	1.9	10	0.1
WAYNE	2,571	18	0.7	115	4.5	1,262	49.1	1,097	42.7	75	2.9	4	0.2
WESTMORELAND	21,650	223	1.0	1,099	5.1	11,168	51.6	8,751	40.4	387	1.8	22	0.1
WYOMING	1,895	23	1.2	94	5.0	1,016	53.6	732	38.6	29	1.5	1	0.1
YORK	23,177	249	1.1	1,189	5.1	11,986	51.7	9,268	40.0	481	2.1	4	0.0

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

NOTE: VERY LOW BIRTH WEIGHT IS DEFINED AS 1499 GRAMS AND LESS.
LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-22
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	HIGHEST GRADE COMPLETED											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	171,053	4,633	2.7	23,173	13.5	76,878	44.9	31,362	18.3	32,995	19.3	2,012	1.2
ADAMS	1,132	52	4.6	188	16.6	591	52.2	157	13.9	142	12.5	2	0.2
ALLEGHENY	18,076	162	0.9	1,742	9.6	7,369	40.8	3,789	21.0	4,823	26.7	191	1.1
ARMSTRONG	890	12	1.3	124	13.9	512	57.5	158	17.8	83	9.3	1	0.1
BEAVER	2,437	32	1.3	284	11.7	1,201	49.3	608	24.9	284	11.7	28	1.1
BEDFORD	560	18	3.2	90	16.1	329	58.7	85	15.2	36	6.4	2	0.4
BERKS	4,954	214	4.3	823	16.6	2,251	45.4	845	17.1	807	16.3	14	0.3
BLAIR	1,603	25	1.6	232	14.5	897	56.0	275	17.2	169	10.5	5	0.3
BRADFORD	901	21	2.3	152	16.9	444	49.3	151	16.8	104	11.5	29	3.2
BUCKS	8,038	33	0.4	408	5.1	3,471	43.2	1,731	21.5	2,327	28.9	68	0.8
BUTLER	2,051	8	0.4	184	9.0	1,002	48.9	436	21.3	418	20.4	3	0.1
CAMBRIA	1,897	20	1.1	241	12.7	1,056	55.7	363	19.1	214	11.3	3	0.2
CAMERON	87	1	1.1	14	16.1	47	54.0	13	14.9	12	13.8	0	-
CARBON	646	6	0.9	85	13.2	358	55.4	127	19.7	70	10.8	0	-
CENTRE	1,525	32	2.1	117	7.7	612	40.1	267	17.5	497	32.6	0	-
CHESTER	5,902	135	2.3	359	6.1	1,909	32.3	1,114	18.9	2,270	38.5	115	1.9
CLARION	497	26	5.2	52	10.5	282	56.7	73	14.7	63	12.7	1	0.2
CLEARFIELD	994	7	0.7	149	15.0	557	56.0	202	20.3	77	7.7	2	0.2
CLINTON	470	24	5.1	82	17.4	254	54.0	62	13.2	48	10.2	0	-
COLUMBIA	750	14	1.9	109	14.5	398	53.1	119	15.9	110	14.7	0	-
CRAWFORD	1,138	111	9.8	137	12.0	562	49.4	175	15.4	152	13.4	1	0.1
CUMBERLAND	2,431	56	2.3	241	9.9	1,081	44.5	490	20.2	557	22.9	6	0.2
DAUPHIN	3,688	86	2.3	603	16.4	1,566	42.5	732	19.8	685	18.6	16	0.4
DELAWARE	8,429	97	1.2	659	7.8	3,556	42.2	1,707	20.3	2,328	27.6	82	1.0
ELK	470	5	1.1	23	4.9	273	58.1	116	24.7	52	11.1	1	0.2
ERIE	4,205	82	2.0	636	15.1	2,054	48.8	734	17.5	647	15.4	52	1.2
FAYETTE	1,877	64	3.4	401	21.4	1,016	54.1	237	12.6	155	8.3	4	0.2
FOREST	52	0	-	4	7.7	37	71.2	8	15.4	3	5.8	0	-
FRANKLIN	1,546	55	3.6	229	14.8	829	53.6	229	14.8	202	13.1	2	0.1
FULTON	150	3	2.0	32	21.3	84	56.0	22	14.7	8	5.3	1	0.7
GREENE	446	14	3.1	94	21.1	239	53.6	56	12.6	43	9.6	0	-
HUNTINGDON	523	17	3.3	70	13.4	312	59.7	69	13.2	55	10.5	0	-
INDIANA	1,046	85	8.1	129	12.3	493	47.1	162	15.5	176	16.8	1	0.1
JEFFERSON	586	11	1.9	85	14.5	341	58.2	93	15.9	56	9.6	0	-

(CONTINUED)

TABLE B-22
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	HIGHEST GRADE COMPLETED											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	264	18	6.8	43	16.3	145	54.9	33	12.5	24	9.1	1	0.4
LACKAWANNA	2,664	32	1.2	321	12.0	1,183	44.4	623	23.4	500	18.8	5	0.2
LANCASTER	7,280	1,012	13.9	1,036	14.2	3,010	41.3	937	12.9	1,227	16.9	58	0.8
LAWRENCE	1,143	50	4.4	173	15.1	615	53.8	176	15.4	120	10.5	9	0.8
LEBANON	1,524	32	2.1	262	17.2	831	54.5	217	14.2	180	11.8	2	0.1
LEHIGH	4,147	82	2.0	505	12.2	1,765	42.6	829	20.0	954	23.0	12	0.3
LUZERNE	3,793	56	1.5	476	12.5	1,778	46.9	860	22.7	620	16.3	3	0.1
LYCOMING	1,705	39	2.3	307	18.0	826	48.4	343	20.1	184	10.8	6	0.4
MCKEAN	623	7	1.1	100	16.1	302	48.5	101	16.2	81	13.0	32	5.1
MERCER	1,461	66	4.5	204	14.0	715	48.9	279	19.1	193	13.2	4	0.3
MIFFLIN	675	103	15.3	89	13.2	360	53.3	75	11.1	47	7.0	1	0.1
MONROE	1,495	18	1.2	176	11.8	718	48.0	303	20.3	266	17.8	14	0.9
MONTGOMERY	9,921	51	0.5	529	5.3	3,395	34.2	1,980	20.0	3,938	39.7	28	0.3
MONTOUR	249	16	6.4	27	10.8	108	43.4	40	16.1	57	22.9	1	0.4
NORTHAMPTON	3,376	58	1.7	431	12.8	1,514	44.8	726	21.5	626	18.5	21	0.6
NORTHUMBERLAND	1,167	33	2.8	180	15.4	653	56.0	177	15.2	123	10.5	1	0.1
PERRY	609	20	3.3	92	15.1	324	53.2	113	18.6	59	9.7	1	0.2
PHILADELPHIA	29,714	975	3.3	7,066	23.8	12,625	42.5	4,697	15.8	3,337	11.2	1,014	3.4
PIKE	434	3	0.7	24	5.5	217	50.0	91	21.0	59	13.6	40	9.2
POTTER	242	1	0.4	26	10.7	148	61.2	44	18.2	14	5.8	9	3.7
SCHUYLKILL	1,794	44	2.5	270	15.1	967	53.9	328	18.3	185	10.3	0	-
SNYDER	535	83	15.5	70	13.1	262	49.0	68	12.7	50	9.3	2	0.4
SOMERSET	914	36	3.9	118	12.9	536	58.6	135	14.8	89	9.7	0	-
SULLIVAN	55	1	1.8	8	14.5	25	45.5	11	20.0	10	18.2	0	-
SUSQUEHANNA	612	8	1.3	74	12.1	330	53.9	78	12.7	73	11.9	49	8.0
TIOGA	524	5	1.0	84	16.0	250	47.7	94	17.9	59	11.3	32	6.1
UNION	414	51	12.3	50	12.1	196	47.3	49	11.8	67	16.2	1	0.2
VENANGO	787	25	3.2	118	15.0	407	51.7	129	16.4	106	13.5	2	0.3
WARREN	566	21	3.7	53	9.4	302	53.4	103	18.2	81	14.3	6	1.1
WASHINGTON	2,413	25	1.0	280	11.6	1,238	51.3	464	19.2	398	16.5	8	0.3
WAYNE	559	6	1.1	56	10.0	301	53.8	106	19.0	83	14.8	7	1.3
WESTMORELAND	4,386	40	0.9	439	10.0	2,176	49.6	953	21.7	772	17.6	6	0.1
WYOMING	386	5	1.3	54	14.0	204	52.8	67	17.4	53	13.7	3	0.8
YORK	4,625	83	1.8	654	14.1	2,469	53.4	728	15.7	687	14.9	4	0.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

TABLE B-23
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER AND COUNTY
NUMBER AND PERCENT: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	MARRIED						UNMARRIED					
		TOTAL MARRIED		AGE OF MOTHER (IN YEARS)				TOTAL UNMARRIED		AGE OF MOTHER (IN YEARS)			
				19 & UNDER		OVER 19				19 & UNDER		OVER 19	
		NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
ALL COUNTIES	171,053	121,343	70.9	3,565	2.9	117,770	97.1	49,068	28.7	14,962	30.5	34,103	69.5
ADAMS	1,132	856	75.6	46	5.4	810	94.6	276	24.4	79	28.6	197	71.4
ALLEGHENY	18,076	12,953	71.7	180	1.4	12,773	98.6	5,110	28.3	1,440	28.2	3,670	71.8
ARMSTRONG	890	707	79.4	42	5.9	665	94.1	183	20.6	67	36.6	116	63.4
BEAVER	2,437	1,812	74.4	62	3.4	1,750	96.6	624	25.6	200	32.1	424	67.9
BEDFORD	560	424	75.7	43	10.1	381	89.9	136	24.3	48	35.3	88	64.7
BERKS	4,954	3,634	73.4	125	3.4	3,509	96.6	1,317	26.6	411	31.2	906	68.8
BLAIR	1,603	1,154	72.0	76	6.6	1,078	93.4	447	27.9	145	32.4	302	67.6
BRADFORD	901	613	68.0	40	6.5	573	93.5	226	25.1	83	36.7	143	63.3
BUCKS	8,038	6,925	86.2	90	1.3	6,835	98.7	1,105	13.7	320	29.0	785	71.0
BUTLER	2,051	1,722	84.0	50	2.9	1,672	97.1	328	16.0	101	30.8	227	69.2
CAMBRIA	1,897	1,436	75.7	55	3.8	1,381	96.2	461	24.3	184	39.9	277	60.1
CAMERON	87	63	72.4	1	1.6	62	98.4	24	27.6	13	54.2	11	45.8
CARBON	646	508	78.6	20	3.9	488	96.1	138	21.4	35	25.4	103	74.6
CENTRE	1,525	1,318	86.4	49	3.7	1,269	96.3	207	13.6	73	35.3	134	64.7
CHESTER	5,902	4,998	84.7	61	1.2	4,936	98.8	900	15.2	251	27.9	649	72.1
CLARION	497	386	77.7	21	5.4	365	94.6	111	22.3	39	35.1	72	64.9
CLEARFIELD	994	764	76.9	51	6.7	713	93.3	230	23.1	87	37.8	143	62.2
CLINTON	470	344	73.2	18	5.2	326	94.8	126	26.8	43	34.1	83	65.9
COLUMBIA	750	571	76.1	40	7.0	531	93.0	178	23.7	61	34.3	117	65.7
CRAWFORD	1,138	880	77.3	26	3.0	854	97.0	258	22.7	88	34.1	170	65.9
CUMBERLAND	2,431	2,010	82.7	77	3.8	1,933	96.2	421	17.3	152	36.1	269	63.9
DAUPHIN	3,688	2,414	65.5	77	3.2	2,337	96.8	1,273	34.5	398	31.3	875	68.7
DELAWARE	8,429	6,392	75.8	77	1.2	6,315	98.8	2,036	24.2	589	28.9	1,447	71.1
ELK	470	373	79.4	15	4.0	358	96.0	97	20.6	25	25.8	72	74.2
ERIE	4,205	2,876	68.4	103	3.6	2,773	96.4	1,324	31.5	465	35.1	859	64.9
FAYETTE	1,877	1,281	68.2	108	8.4	1,173	91.6	596	31.8	220	36.9	376	63.1
FOREST	52	35	67.3	1	2.9	34	97.1	17	32.7	8	47.1	9	52.9
FRANKLIN	1,546	1,225	79.2	64	5.2	1,161	94.8	321	20.8	115	35.8	206	64.2
FULTON	150	111	74.0	10	9.0	101	91.0	39	26.0	12	30.8	27	69.2
GREENE	446	306	68.6	23	7.5	283	92.5	140	31.4	47	33.6	93	66.4
HUNTINGDON	523	398	76.1	28	7.0	370	93.0	125	23.9	51	40.8	74	59.2
INDIANA	1,046	854	81.6	60	7.0	794	93.0	190	18.2	64	33.7	126	66.3
JEFFERSON	586	452	77.1	33	7.3	419	92.7	134	22.9	42	31.3	92	68.7

(CONTINUED)

TABLE B-23
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER AND COUNTY
NUMBER AND PERCENT: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	MARRIED						UNMARRIED					
		TOTAL MARRIED		AGE OF MOTHER (IN YEARS)				TOTAL UNMARRIED		AGE OF MOTHER (IN YEARS)			
				19 & UNDER		OVER 19				19 & UNDER		OVER 19	
		NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
JUNIATA	264	211	79.9	10	4.7	201	95.3	53	20.1	22	41.5	31	58.5
LACKAWANNA	2,664	2,089	78.4	46	2.2	2,042	97.8	573	21.5	180	31.4	393	68.6
LANCASTER	7,280	5,840	80.2	144	2.5	5,696	97.5	1,433	19.7	464	32.4	969	67.6
LAWRENCE	1,143	810	70.9	23	2.8	787	97.2	309	27.0	103	33.3	206	66.7
LEBANON	1,524	1,141	74.9	41	3.6	1,100	96.4	383	25.1	118	30.8	265	69.2
LEHIGH	4,147	3,131	75.5	71	2.3	3,060	97.7	1,014	24.5	305	30.1	709	69.9
LUZERNE	3,793	2,854	75.2	84	2.9	2,770	97.1	936	24.7	351	37.5	584	62.4
LYCOMING	1,705	1,154	67.7	55	4.8	1,099	95.2	551	32.3	187	33.9	364	66.1
MCKEAN	623	374	60.0	37	9.9	337	90.1	177	28.4	57	32.2	120	67.8
MERCER	1,461	1,079	73.9	45	4.2	1,034	95.8	368	25.2	140	38.0	228	62.0
MIFFLIN	675	514	76.1	32	6.2	482	93.8	161	23.9	59	36.6	102	63.4
MONROE	1,495	1,215	81.3	26	2.1	1,188	97.8	272	18.2	78	28.7	194	71.3
MONTGOMERY	9,921	8,583	86.5	74	0.9	8,509	99.1	1,332	13.4	357	26.8	974	73.1
MONTOUR	249	200	80.3	4	2.0	196	98.0	49	19.7	18	36.7	31	63.3
NORTHAMPTON	3,376	2,631	77.9	71	2.7	2,559	97.3	737	21.8	234	31.8	503	68.2
NORTHUMBERLAND	1,167	892	76.4	48	5.4	844	94.6	275	23.6	105	38.2	170	61.8
PERRY	609	477	78.3	25	5.2	452	94.8	132	21.7	44	33.3	88	66.7
PHILADELPHIA	29,714	12,672	42.6	318	2.5	12,351	97.5	17,018	57.3	4,788	28.1	12,229	71.9
PIKE	434	327	75.3	6	1.8	321	98.2	35	8.1	6	17.1	29	82.9
POTTER	242	155	64.0	8	5.2	147	94.8	60	24.8	25	41.7	35	58.3
SCHUYLKILL	1,794	1,371	76.4	74	5.4	1,297	94.6	423	23.6	150	35.5	273	64.5
SNYDER	535	458	85.6	25	5.5	433	94.5	77	14.4	30	39.0	47	61.0
SOMERSET	914	749	81.9	52	6.9	697	93.1	165	18.1	56	33.9	109	66.1
SULLIVAN	55	41	74.5	1	2.4	40	97.6	14	25.5	4	28.6	10	71.4
SUSQUEHANNA	612	340	55.6	14	4.1	326	95.9	110	18.0	34	30.9	76	69.1
TIOGA	524	319	60.9	24	7.5	295	92.5	141	26.9	42	29.8	99	70.2
UNION	414	345	83.3	15	4.3	330	95.7	69	16.7	23	33.3	46	66.7
VENANGO	787	579	73.6	16	2.8	563	97.2	208	26.4	60	28.8	148	71.2
WARREN	566	447	79.0	19	4.3	427	95.5	100	17.7	38	38.0	62	62.0
WASHINGTON	2,413	1,821	75.5	74	4.1	1,747	95.9	589	24.4	173	29.4	416	70.6
WAYNE	559	448	80.1	14	3.1	434	96.9	94	16.8	29	30.9	65	69.1
WESTMORELAND	4,386	3,530	80.5	128	3.6	3,402	96.4	855	19.5	270	31.6	585	68.4
WYOMING	386	292	75.6	17	5.8	275	94.2	92	23.8	39	42.4	53	57.6
YORK	4,625	3,459	74.8	152	4.4	3,307	95.6	1,165	25.2	417	35.8	748	64.2

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH COUNTY.
** PERCENT OF TOTAL LIVE BIRTHS TO MARRIED MOTHERS FOR EACH COUNTY.
*** PERCENT OF TOTAL LIVE BIRTHS TO UNMARRIED MOTHERS FOR EACH COUNTY.
NOTE: UNKNOWN AGE OF MOTHER INCLUDED IN ALL TOTALS.
UNKNOWN MARITAL STATUS INCLUDED IN TOTAL BIRTHS.

TABLE B-24
RESIDENT LIVE BIRTHS BY TRIMESTER OF FIRST PRENATAL VISIT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	171,053	133,665	78.1	25,170	14.7	6,003	3.5	3,185	1.9	3,030	1.8
ADAMS	1,132	921	81.4	163	14.4	38	3.4	6	0.5	4	0.4
ALLEGHENY	18,076	15,131	83.7	2,051	11.3	471	2.6	191	1.1	232	1.3
ARMSTRONG	890	709	79.7	141	15.8	21	2.4	17	1.9	2	0.2
BEAVER	2,437	2,074	85.1	268	11.0	34	1.4	42	1.7	19	0.8
BEDFORD	560	414	73.9	130	23.2	13	2.3	0	-	3	0.5
BERKS	4,954	3,749	75.7	881	17.8	200	4.0	57	1.2	67	1.4
BLAIR	1,603	1,338	83.5	212	13.2	41	2.6	1	0.1	11	0.7
BRADFORD	901	737	81.8	121	13.4	40	4.4	2	0.2	1	0.1
BUCKS	8,038	6,973	86.8	754	9.4	167	2.1	90	1.1	54	0.7
BUTLER	2,051	1,660	80.9	286	13.9	63	3.1	30	1.5	12	0.6
CAMBRIA	1,897	1,584	83.5	281	14.8	27	1.4	1	0.1	4	0.2
CAMERON	87	65	74.7	20	23.0	2	2.3	0	-	0	-
CARBON	646	527	81.6	92	14.2	18	2.8	9	1.4	0	-
CENTRE	1,525	1,226	80.4	234	15.3	53	3.5	4	0.3	8	0.5
CHESTER	5,902	4,921	83.4	700	11.9	197	3.3	42	0.7	42	0.7
CLARION	497	405	81.5	73	14.7	12	2.4	2	0.4	5	1.0
CLEARFIELD	994	809	81.4	159	16.0	20	2.0	3	0.3	3	0.3
CLINTON	470	372	79.1	84	17.9	11	2.3	3	0.6	0	-
COLUMBIA	750	582	77.6	130	17.3	28	3.7	1	0.1	9	1.2
CRAWFORD	1,138	898	78.9	166	14.6	55	4.8	4	0.4	15	1.3
CUMBERLAND	2,431	1,987	81.7	356	14.6	55	2.3	18	0.7	15	0.6
DAUPHIN	3,688	2,721	73.8	668	18.1	181	4.9	90	2.4	28	0.8
DELAWARE	8,429	7,310	86.7	709	8.4	178	2.1	119	1.4	113	1.3
ELK	470	428	91.1	39	8.3	3	0.6	0	-	0	-
ERIE	4,205	3,429	81.5	568	13.5	106	2.5	57	1.4	45	1.1
FAYETTE	1,877	1,382	73.6	328	17.5	58	3.1	85	4.5	24	1.3
FOREST	52	47	90.4	5	9.6	0	-	0	-	0	-
FRANKLIN	1,546	1,189	76.9	278	18.0	67	4.3	3	0.2	9	0.6
FULTON	150	108	72.0	36	24.0	3	2.0	0	-	3	2.0
GREENE	446	328	73.5	78	17.5	29	6.5	5	1.1	6	1.3
HUNTINGDON	523	442	84.5	69	13.2	8	1.5	3	0.6	1	0.2
INDIANA	1,046	823	78.7	152	14.5	56	5.4	5	0.5	10	1.0
JEFFERSON	586	491	83.8	77	13.1	16	2.7	1	0.2	1	0.2

(CONTINUED)

TABLE B-24
RESIDENT LIVE BIRTHS BY TRIMESTER OF FIRST PRENATAL VISIT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	264	208	78.8	47	17.8	4	1.5	3	1.1	2	0.8
LACKAWANNA	2,664	2,162	81.2	399	15.0	74	2.8	6	0.2	23	0.9
LANCASTER	7,280	5,668	77.9	1,300	17.9	196	2.7	87	1.2	29	0.4
LAWRENCE	1,143	912	79.8	170	14.9	35	3.1	13	1.1	13	1.1
LEBANON	1,524	1,118	73.4	326	21.4	63	4.1	8	0.5	9	0.6
LEHIGH	4,147	3,529	85.1	446	10.8	99	2.4	37	0.9	36	0.9
LUZERNE	3,793	3,278	86.4	422	11.1	57	1.5	8	0.2	28	0.7
LYCOMING	1,705	1,259	73.8	338	19.8	69	4.0	25	1.5	14	0.8
MCKEAN	623	472	75.8	128	20.5	14	2.2	4	0.6	5	0.8
MERCER	1,461	1,140	78.0	247	16.9	54	3.7	13	0.9	7	0.5
MIFFLIN	675	520	77.0	98	14.5	48	7.1	3	0.4	6	0.9
MONROE	1,495	1,164	77.9	219	14.6	76	5.1	13	0.9	23	1.5
MONTGOMERY	9,921	8,600	86.7	908	9.2	217	2.2	144	1.5	52	0.5
MONTOUR	249	193	77.5	41	16.5	12	4.8	3	1.2	0	-
NORTHAMPTON	3,376	2,869	85.0	397	11.8	72	2.1	16	0.5	22	0.7
NORTHUMBERLAND	1,167	906	77.6	222	19.0	33	2.8	1	0.1	5	0.4
PERRY	609	450	73.9	118	19.4	26	4.3	9	1.5	6	1.0
PHILADELPHIA	29,714	17,761	59.8	6,249	21.0	2,060	6.9	1,773	6.0	1,871	6.3
PIKE	434	361	83.2	49	11.3	15	3.5	7	1.6	2	0.5
POTTER	242	179	74.0	58	24.0	3	1.2	0	-	2	0.8
SCHUYLKILL	1,794	1,506	83.9	238	13.3	33	1.8	5	0.3	12	0.7
SNYDER	535	394	73.6	101	18.9	34	6.4	4	0.7	2	0.4
SOMERSET	914	709	77.6	159	17.4	38	4.2	4	0.4	4	0.4
SULLIVAN	55	40	72.7	12	21.8	2	3.6	0	-	1	1.8
SUSQUEHANNA	612	491	80.2	109	17.8	6	1.0	4	0.7	2	0.3
TIOGA	524	428	81.7	79	15.1	10	1.9	1	0.2	6	1.1
UNION	414	305	73.7	84	20.3	22	5.3	1	0.2	2	0.5
VENANGO	787	627	79.7	132	16.8	18	2.3	2	0.3	8	1.0
WARREN	566	466	82.3	64	11.3	25	4.4	6	1.1	5	0.9
WASHINGTON	2,413	1,959	81.2	358	14.8	69	2.9	5	0.2	22	0.9
WAYNE	559	451	80.7	73	13.1	20	3.6	12	2.1	3	0.5
WESTMORELAND	4,386	3,656	83.4	560	12.8	85	1.9	58	1.3	27	0.6
WYOMING	386	305	79.0	69	17.9	10	2.6	0	-	2	0.5
YORK	4,625	3,799	82.1	641	13.9	133	2.9	19	0.4	33	0.7

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

TABLE B-25
RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY,
ATTENDANT AT BIRTH, AND COUNTY, PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	HOSPITAL				NON-HOSPITAL			
		PHYSICIAN	MIDWIFE	OTHER	UNKNOWN	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN
ALL COUNTIES	171,053	165,026	3,055	206	21	801	1,663	281	0
ADAMS	1,132	1,037	81	1	0	0	11	2	0
ALLEGHENY	18,076	17,809	114	17	0	43	89	4	0
ARMSTRONG	890	882	0	3	0	0	2	3	0
BEAVER	2,437	2,419	0	6	1	6	3	2	0
BEDFORD	560	546	5	2	0	0	7	0	0
BERKS	4,954	4,602	194	4	0	74	76	4	0
BLAIR	1,603	1,592	4	1	0	2	1	3	0
BRADFORD	901	811	84	1	0	1	1	3	0
BUCKS	8,038	7,804	163	4	3	14	45	5	0
BUTLER	2,051	2,042	0	1	0	1	6	1	0
CAMBRIA	1,897	1,859	30	3	0	1	0	4	0
CAMERON	87	86	0	0	0	0	0	1	0
CARBON	646	616	21	0	0	2	6	1	0
CENTRE	1,525	1,455	42	1	0	1	23	3	0
CHESTER	5,902	5,676	69	11	8	30	99	9	0
CLARION	497	481	0	1	0	1	13	1	0
CLEARFIELD	994	993	0	0	0	1	0	0	0
CLINTON	470	364	84	0	0	0	22	0	0
COLUMBIA	750	736	3	3	0	2	5	1	0
CRAWFORD	1,138	1,095	0	1	0	0	39	3	0
CUMBERLAND	2,431	2,321	47	3	0	4	48	8	0
DAUPHIN	3,688	3,602	52	2	0	7	23	2	0
DELAWARE	8,429	8,027	321	8	1	17	51	4	0
ELK	470	469	0	0	0	0	0	1	0
ERIE	4,205	4,180	0	3	0	9	5	8	0
FAYETTE	1,877	1,866	5	1	1	0	0	4	0
FOREST	52	52	0	0	0	0	0	0	0
FRANKLIN	1,546	1,361	104	1	0	1	74	5	0
FULTON	150	147	0	0	0	0	2	1	0
GREENE	446	440	0	0	1	4	1	0	0
HUNTINGDON	523	415	101	0	0	0	5	2	0
INDIANA	1,046	1,003	4	0	0	2	13	24	0
JEFFERSON	586	580	1	0	0	2	0	3	0

(CONTINUED)

TABLE B-25
RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY,
ATTENDANT AT BIRTH, AND COUNTY, PENNSYLVANIA, 1990

COUNTY	TOTAL BIRTHS	HOSPITAL				NON-HOSPITAL			
		PHYSICIAN	MIDWIFE	OTHER	UNKNOWN	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN
JUNIATA	264	215	24	1	0	0	20	4	0
LACKAWANNA	2,664	2,653	0	5	0	2	2	2	0
LANCASTER	7,280	6,540	13	0	0	319	392	16	0
LAWRENCE	1,143	1,119	0	1	2	4	15	2	0
LEBANON	1,524	1,454	6	1	1	30	29	3	0
LEHIGH	4,147	4,076	5	0	0	14	52	0	0
LUZERNE	3,793	3,781	2	1	0	2	2	5	0
LYCOMING	1,705	1,523	173	0	0	3	6	0	0
MCKEAN	623	622	0	0	0	0	0	1	0
MERCER	1,461	1,427	0	1	1	0	32	0	0
MIFFLIN	675	519	78	1	0	0	71	6	0
MONROE	1,495	1,460	5	1	2	5	15	7	0
MONTGOMERY	9,921	9,712	113	8	0	16	67	5	0
MONTOUR	249	234	3	0	0	0	11	1	0
NORTHAMPTON	3,376	3,324	4	1	0	14	31	2	0
NORTHUMBERLAND	1,167	1,137	17	0	0	3	9	1	0
PERRY	609	569	28	0	0	1	9	2	0
PHILADELPHIA	29,714	28,405	984	91	0	126	47	61	0
PIKE	434	427	2	1	0	0	2	2	0
POTTER	242	236	0	1	0	0	1	4	0
SCHUYLKILL	1,794	1,756	11	0	0	12	11	4	0
SNYDER	535	456	4	1	0	2	64	8	0
SOMERSET	914	896	14	0	0	0	0	4	0
SULLIVAN	55	49	5	0	0	0	0	1	0
SUSQUEHANNA	612	601	7	1	0	2	0	1	0
TIOGA	524	513	9	1	0	1	0	0	0
UNION	414	373	2	0	0	0	35	4	0
VENANGO	787	776	1	0	0	0	7	3	0
WARREN	566	544	0	0	0	0	20	2	0
WASHINGTON	2,413	2,402	1	3	0	0	5	2	0
WAYNE	559	551	1	0	0	1	3	3	0
WESTMORELAND	4,386	4,357	4	2	0	10	9	4	0
WYOMING	386	382	0	3	0	0	0	1	0
YORK	4,625	4,569	10	3	0	9	26	8	0

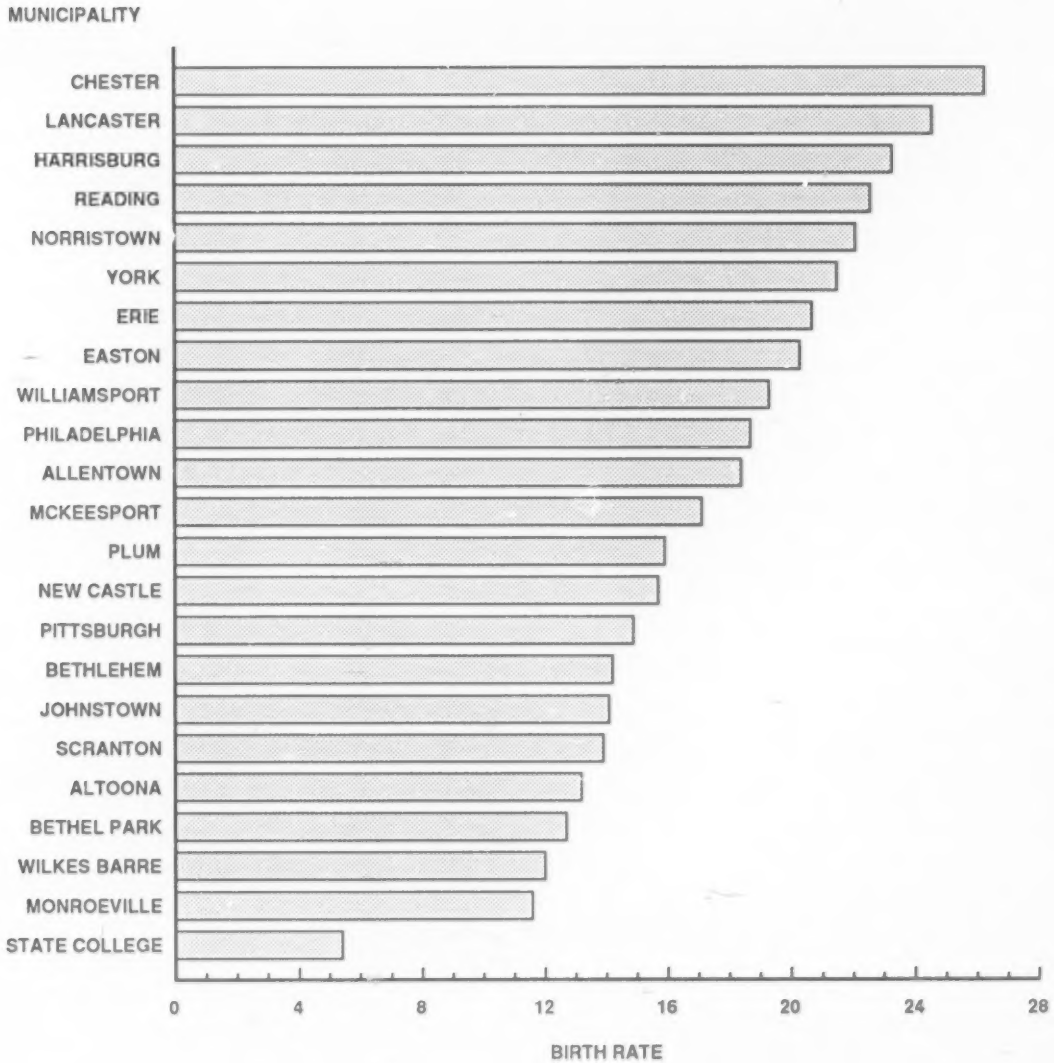
TABLE B-26
RESIDENT LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER,
AND SELECTED MUNICIPALITIES, NUMBER AND RATE: PENNSYLVANIA, 1990

MUNICIPALITY	ALL BIRTHS	RATE*	RACE		HISPANIC ORIGIN
			WHITE**	BLACK	
STATE TOTAL	171,053	14.4	142,724	25,432	5,616
ALLENTOWN	1,935	18.4	1,731	163	370
ALTOONA	683	13.2	672	9	3
BETHEL PARK	431	12.7	420	5	2
BETHLEHEM	1,011	14.2	955	42	245
CHESTER	1,099	26.3	256	840	39
EASTON	534	20.3	463	58	35
ERIE	2,253	20.7	1,815	417	71
HARRISBURG	1,220	23.3	494	699	100
JOHNSTOWN	398	14.1	351	46	10
LANCASTER	1,369	24.6	1,144	192	412
MCKEESPORT	445	17.1	313	128	1
MONROEVILLE	337	11.6	298	28	2
NEW CASTLE	444	15.7	381	59	4
NORRISTOWN	679	22.1	429	226	27
PHILADELPHIA	29,714	18.7	12,950	15,601	2,561
PITTSBURGH	5,509	14.9	3,132	2,247	34
PLUM	407	15.9	391	10	1
READING	1,768	22.6	1,527	218	548
SCRANTON	1,137	13.9	1,100	27	8
STATE COLLEGE	209	5.4	156	8	3
WILKES BARRE	570	12.0	529	35	8
WILLIAMSPORT	615	19.3	547	62	7
YORK	906	21.5	612	277	111
ALL OTHER AREAS	117,380	13.2	112,058	4,035	1,014

* RATE PER 1,000 POPULATION FOR EACH SPECIFIED AREA, 1990.
** UNKNOWN RACE OF MOTHER INCLUDED IN THE WHITE CATEGORY.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.
SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

FIGURE B-11
RESIDENT LIVE BIRTH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, 1990



NOTE: RATE PER 1,000 POPULATION, 1990. SEE TABLE B-26 FOR CORRESPONDING DATA.

TABLE B-27
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND SELECTED MUNICIPALITIES
PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL BIRTHS	AGE OF MOTHER (IN YEARS)							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
STATE TOTAL	171,053	437	18,139	40,880	55,120	40,659	13,856	1,888	62	12
ALLENTOWN	1,935	3	262	537	637	370	114	12	0	0
ALTOONA	683	1	117	205	201	117	38	4	0	0
BETHEL PARK	431	0	10	37	144	175	58	7	0	0
BETHLEHEM	1,011	1	126	235	329	225	89	5	1	0
CHESTER	1,099	14	249	341	281	157	54	3	0	0
EASTON	534	1	70	162	156	94	43	7	0	1
ERIE	2,253	9	367	665	650	429	121	12	0	0
HARRISBURG	1,220	7	256	412	294	178	62	11	0	0
JOHNSTOWN	398	0	75	145	103	55	19	1	0	0
LANCASTER	1,369	7	262	436	392	192	70	10	0	0
MCKEESPORT	445	2	75	133	129	77	24	4	1	0
MONROEVILLE	337	0	13	47	111	126	36	4	0	0
NEW CASTLE	444	1	63	135	132	92	19	2	0	0
NORRISTOWN	679	0	89	178	227	135	43	6	0	1
PHILADELPHIA	29,714	212	4,895	8,369	8,526	5,487	1,910	296	15	4
PITTSBURGH	5,509	33	825	1,387	1,588	1,155	454	65	2	0
PLUM	407	1	12	51	166	143	31	2	1	0
READING	1,768	13	352	613	473	236	68	12	1	0
SCRANTON	1,137	2	114	299	372	257	82	9	1	1
STATE COLLEGE	209	0	8	27	74	68	26	5	1	0
WILKES BARRE	570	2	87	167	164	109	33	7	0	1
WILLIAMSPORT	615	0	109	187	179	112	25	3	0	0
YORK	906	2	227	310	237	93	30	7	0	0
ALL OTHER AREAS	117,380	126	9,476	25,802	39,555	30,577	10,407	1,394	39	4

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-28
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND SELECTED MUNICIPALITIES
NUMBER AND PERCENT*: PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL BIRTHS	BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	171,053	2,460	1.4	9,804	5.7	88,902	52.0	66,651	39.0	3,149	1.8	87	0.1
ALLENTOWN	1,935	21	1.1	125	6.5	1,080	55.8	682	35.2	27	1.4	0	-
ALTOONA	683	9	1.3	49	7.2	346	50.7	269	39.4	10	1.5	0	-
BETHEL PARK	431	4	0.9	31	7.2	189	43.9	201	46.6	6	1.4	0	-
BETHLEHEM	1,011	10	1.0	66	6.5	530	52.4	386	38.2	19	1.9	0	-
CHESTER	1,099	37	3.4	94	8.6	659	60.0	298	27.1	11	1.0	0	-
EASTON	534	2	0.4	20	3.7	286	53.6	216	40.4	9	1.7	1	0.2
ERIE	2,253	37	1.6	129	5.7	1,227	54.5	826	36.7	34	1.5	0	-
HARRISBURG	1,220	24	2.0	121	9.9	694	56.9	372	30.5	9	0.7	0	-
JOHNSTOWN	398	12	3.0	26	6.5	222	55.8	136	34.2	0	-	2	0.5
LANCASTER	1,369	19	1.4	82	6.0	756	55.2	486	35.5	25	1.8	1	0.1
MCKEESPORT	445	8	1.8	39	8.8	227	51.0	163	36.6	8	1.8	0	-
MONROEVILLE	337	3	0.9	16	4.7	166	49.3	146	43.3	6	1.8	0	-
NEW CASTLE	444	7	1.6	33	7.4	234	52.7	158	35.6	12	2.7	0	-
NORRISTOWN	679	14	2.1	44	6.5	371	54.6	243	35.8	6	0.9	1	0.1
PHILADELPHIA	29,714	803	2.7	2,640	8.9	17,228	58.0	8,659	29.1	370	1.2	14	0.0
PITTSBURGH	5,509	131	2.4	486	8.8	3,029	55.0	1,793	32.5	68	1.2	2	0.0
PLUM	407	6	1.5	12	2.9	203	49.9	179	44.0	6	1.5	1	0.2
READING	1,768	26	1.5	110	6.2	953	53.9	657	37.2	21	1.2	1	0.1
SCRANTON	1,137	9	0.8	73	6.4	620	54.5	418	36.8	17	1.5	0	-
STATE COLLEGE	209	4	1.9	11	5.3	105	50.2	86	41.1	3	1.4	0	-
WILKES BARRE	570	8	1.4	41	7.2	308	54.0	208	36.5	5	0.9	0	-
WILLIAMSPORT	615	10	1.6	23	3.7	326	53.0	241	39.2	14	2.3	1	0.2
YORK	906	17	1.9	73	8.1	527	58.2	269	29.7	20	2.2	0	-
ALL OTHER AREAS	117,380	1,239	1.1	5,460	4.7	58,616	49.9	49,559	42.2	2,443	2.1	63	0.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.
LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-29
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER
AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT*: PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL BIRTHS	HIGHEST GRADE COMPLETED											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	171,053	4,633	2.7	23,173	13.5	76,878	44.9	31,362	18.3	32,995	19.3	2,012	1.2
ALLENTOWN	1,935	63	3.3	353	18.2	853	44.1	343	17.7	313	16.2	10	0.5
ALTOONA	683	7	1.0	115	16.8	406	59.4	101	14.8	53	7.8	1	0.1
BETHEL PARK	431	0	-	5	1.2	138	32.0	100	23.2	185	42.9	3	0.7
BETHLEHEM	1,011	34	3.4	199	19.7	389	38.5	182	18.0	206	20.4	1	0.1
CHESTER	1,099	54	4.9	271	24.7	541	49.2	140	12.7	70	6.4	23	2.1
EASTON	534	15	2.8	104	19.5	255	47.8	92	17.2	60	11.2	8	1.5
ERIE	2,253	63	2.8	431	19.1	1,070	47.5	378	16.8	277	12.3	34	1.5
HARRISBURG	1,220	52	4.3	391	32.0	485	39.8	179	14.7	105	8.6	8	0.7
JOHNSTOWN	398	8	2.0	112	28.1	192	48.2	60	15.1	26	6.5	0	-
LANCASTER	1,369	79	5.8	408	29.8	556	40.6	151	11.0	146	10.7	29	2.1
MCKEESPORT	445	7	1.6	93	20.9	237	53.3	75	16.9	32	7.2	1	0.2
MONROEVILLE	337	1	0.3	14	4.2	88	26.1	91	27.0	139	41.2	4	1.2
NEW CASTLE	444	9	2.0	93	20.9	236	53.2	63	14.2	37	8.3	6	1.4
NORRISTOWN	679	8	1.2	136	20.0	336	49.5	110	16.2	85	12.5	4	0.6
PHILADELPHIA	29,714	975	3.3	7,066	23.8	12,625	42.5	4,697	15.8	3,337	11.2	1,014	3.4
PITTSBURGH	5,509	88	1.6	924	16.8	2,372	43.1	1,010	18.3	1,010	18.3	105	1.9
PLUM	407	1	0.2	13	3.2	174	42.8	104	25.6	112	27.5	3	0.7
READING	1,768	147	8.3	536	30.3	761	43.0	197	11.1	119	6.7	8	0.5
SCRANTON	1,137	17	1.5	181	15.9	517	45.5	241	21.2	178	15.7	3	0.3
STATE COLLEGE	209	1	0.5	5	2.4	26	12.4	45	21.5	132	63.2	0	-
WILKES BARRE	570	15	2.6	115	20.2	257	45.1	118	20.7	64	11.2	1	0.2
WILLIAMSPORT	615	16	2.6	147	23.9	265	43.1	121	19.7	62	10.1	4	0.7
YORK	906	36	4.0	263	29.0	468	51.7	83	9.2	55	6.1	1	0.1
ALL OTHER AREAS	117,380	2,937	2.5	11,198	9.5	53,631	45.7	22,681	19.3	26,192	22.3	741	0.6

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-30
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER
AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT: PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL BIRTHS	MARRIED						UNMARRIED					
		TOTAL MARRIED		AGE OF MOTHER (IN YEARS)				TOTAL UNMARRIED		AGE OF MOTHER (IN YEARS)			
				19 & UNDER		OVER 19				19 & UNDER		OVER 19	
		NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
STATE TOTAL	171,053	121,343	70.9	3,565	2.9	117,770	97.1	49,068	28.7	14,962	30.5	34,103	69.5
ALLENTOWN	1,935	1,214	62.7	40	3.3	1,174	96.7	720	37.2	224	31.1	496	68.9
ALTOONA	683	435	63.7	36	8.3	399	91.7	248	36.3	82	33.1	166	66.9
BETHEL PARK	431	399	92.6	0	-	399	100	32	7.4	10	31.3	22	68.8
BETHLEHEM	1,011	689	68.2	24	3.5	665	96.5	321	31.8	103	32.1	218	67.9
CHESTER	1,099	311	28.3	8	2.6	303	97.4	788	71.7	255	32.4	533	67.6
EASTON	534	346	64.8	14	4.0	331	95.7	185	34.6	57	30.8	128	69.2
ERIE	2,253	1,306	58.0	44	3.4	1,262	96.6	946	42.0	332	35.1	614	64.9
HARRISBURG	1,220	447	36.6	21	4.7	426	95.3	773	63.4	242	31.3	531	68.7
JOHNSTOWN	398	205	51.5	14	6.8	191	93.2	193	48.5	61	31.6	132	68.4
LANCASTER	1,369	672	49.1	44	6.5	628	93.5	694	50.7	225	32.4	469	67.6
MCKEESPORT	445	216	48.5	13	6.0	203	94.0	229	51.5	64	27.9	165	72.1
MONROEVILLE	337	296	87.8	6	2.0	290	98.0	40	11.9	6	15.0	34	85.0
NEW CASTLE	444	260	58.6	7	2.7	253	97.3	177	39.9	57	32.2	120	67.8
NORRISTOWN	679	379	55.8	6	1.6	373	98.4	299	44.0	83	27.8	215	71.9
PHILADELPHIA	29,714	12,672	42.6	318	2.5	12,351	97.5	17,018	57.3	4,788	28.1	12,229	71.9
PITTSBURGH	5,509	2,756	50.0	57	2.1	2,699	97.9	2,746	49.8	800	29.1	1,946	70.9
PLUM	407	359	88.2	2	0.6	357	99.4	48	11.8	11	22.9	37	77.1
READING	1,768	846	47.9	61	7.2	785	92.8	921	52.1	304	33.0	617	67.0
SCRANTON	1,137	818	71.9	19	2.3	798	97.6	319	28.1	97	30.4	222	69.6
STATE COLLEGE	209	188	90.0	3	1.6	185	98.4	21	10.0	5	23.8	16	76.2
WILKES BARRE	570	347	60.9	15	4.3	332	95.7	223	39.1	74	33.2	148	66.4
WILLIAMSPORT	615	350	56.9	21	6.0	329	94.0	265	43.1	88	33.2	177	66.8
YORK	906	401	44.3	38	9.5	363	90.5	504	55.6	191	37.9	313	62.1
ALL OTHER AREAS	117,380	95,431	81.3	2,754	2.9	92,674	97.1	21,358	18.2	6,803	31.9	14,555	68.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.
** PERCENT OF TOTAL LIVE BIRTHS TO MARRIED MOTHERS FOR EACH SPECIFIED AREA.
*** PERCENT OF TOTAL LIVE BIRTHS TO UNMARRIED MOTHERS FOR EACH SPECIFIED AREA.
NOTE: UNKNOWN AGE OF MOTHER INCLUDED IN ALL TOTALS. UNKNOWN MARITAL STATUS INCLUDED IN TOTAL BIRTHS.
SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-31
RESIDENT LIVE BIRTHS BY TRIMESTER OF FIRST PRENATAL VISIT AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT*: PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL BIRTHS	TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	171,053	133,665	78.1	25,170	14.7	6,003	3.5	3,185	1.9	3,030	1.8
ALLENTOWN	1,935	1,524	78.8	297	15.3	65	3.4	24	1.2	25	1.3
ALTOONA	683	559	81.8	100	14.6	17	2.5	1	0.1	6	0.9
BETHEL PARK	431	406	94.2	18	4.2	2	0.5	4	0.9	1	0.2
BETHLEHEM	1,011	837	82.8	138	13.6	21	2.1	5	0.5	10	1.0
CHESTER	1,099	742	67.5	208	18.9	61	5.6	27	2.5	61	5.6
EASTON	534	399	74.7	103	19.3	23	4.3	2	0.4	7	1.3
ERIE	2,253	1,756	77.9	355	15.8	66	2.9	43	1.9	33	1.5
HARRISBURG	1,220	715	58.6	311	25.5	113	9.3	58	4.8	23	1.9
JOHNSTOWN	398	313	78.6	73	18.3	10	2.5	0	-	2	0.5
LANCASTER	1,369	1,024	74.8	229	16.7	50	3.7	53	3.9	13	0.9
MCKEESPORT	445	291	65.4	109	24.5	30	6.7	3	0.7	12	2.7
MONROEVILLE	337	307	91.1	18	5.3	8	2.4	1	0.3	3	0.9
NEW CASTLE	444	346	77.9	74	16.7	12	2.7	5	1.1	7	1.6
NORRISTOWN	679	450	66.3	139	20.5	52	7.7	19	2.8	19	2.8
PHILADELPHIA	29,714	17,761	59.8	6,249	21.0	2,060	6.9	1,773	6.0	1,871	6.3
PITTSBURGH	5,509	4,096	74.4	925	16.8	245	4.4	107	1.9	136	2.5
PLUM	407	374	91.9	27	6.6	3	0.7	2	0.5	1	0.2
READING	1,768	1,019	57.6	518	29.3	138	7.8	36	2.0	57	3.2
SCRANTON	1,137	871	76.6	212	18.6	39	3.4	0	-	15	1.3
STATE COLLEGE	209	165	78.9	31	14.8	12	5.7	0	-	1	0.5
WILKES BARRE	570	466	81.8	77	13.5	14	2.5	2	0.4	11	1.9
WILLIAMSPORT	615	445	72.4	136	22.1	23	3.7	6	1.0	5	0.8
YORK	906	613	67.7	212	23.4	61	6.7	5	0.6	15	1.7
ALL OTHER AREAS	117,380	98,186	83.6	14,611	12.4	2,878	2.5	1,009	0.9	696	0.6

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

MORTALITY

1990 MORTALITY STATISTICS

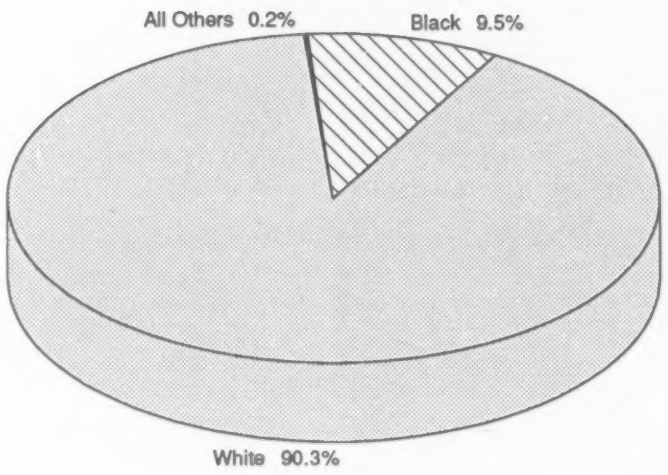
Data Highlights.....

THE STATE:

Total Deaths: During 1990, a total of 121,081 Pennsylvania residents died, a decrease of 1,875 or 1.5 percent from the 1989 figure of 122,956. The 1990 figure is the lowest annual number of deaths since 1983. The 1990 crude death rate per 1,000 population was 10.2, the same rate that occurred in 1989 and also in 1983 and 1984. Only minor fluctuations have occurred in the death rate over the past 40 years. Historically, Pennsylvania's total crude death rates have been higher than those for the United States.

Deaths by Age, Sex, Race and Hispanic Origin: Even though the total (all ages) crude death rates have changed only slightly since 1950, the age-specific death rates for the youngest five-year age groups under 15 and for the five-year age groups of residents 40 years of age through 85 and older have decreased dramatically over the years since 1950. The death rates for the other age groups have also decreased since 1950, but not as dramatically as the death rates for the age groups under 15 years of age and 40 years of age and older.

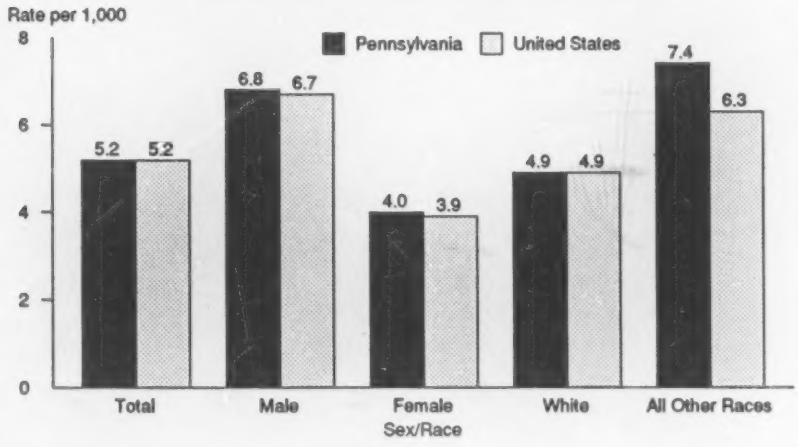
Resident Deaths, Percent by Race
Pennsylvania, 1990



As shown in the pie chart to the right above, 90.3 percent of all deaths in 1990 were to white residents, compared to 9.5 percent to black residents. All other races accounted for only 0.2 percent of all resident deaths in 1990. Over 54 percent of the white residents who died in 1990 were 75 years of age or older while less than one-third (31.9 percent) of the deaths to black residents were from that same age group. Among residents of Hispanic origin who died in 1990, only 24.7 percent were 75 years of age or older.

The 1990 resident male death rate of 10.7 per 1,000 male population was slightly lower than the rate of 10.8 that was recorded for white males. The death rate in 1990 among black males was much higher at 12.0, but the death rate for male residents of Hispanic origin was much lower at 4.9. In comparing age-specific male death rates between the two racial groups, the rates for black males were higher than those for white males in all age groups except for the two oldest age groups, 80-84 and 85 and older. The age-specific death rates for Hispanic males were comparable to the higher black rates among younger Hispanics but lower than both the black and white rates among the older Hispanic age groups. This is partly related to the small size and youthfulness of the

Age-Adjusted Death Rates* by Sex and Race
United States and Pennsylvania Residents, 1990



*Adjusted to 1940 U.S. Standard Population

Hispanic population in Pennsylvania. Only 2.0 percent of the population in the state were categorized as being of Hispanic origin in the 1990 census. In addition, the median age of Pennsylvania's Hispanic population was 24.3 in 1990, compared to 30.1 for blacks and 35.9 for whites. For more information on Pennsylvania's Hispanic population, see the section on *1990 Population Statistics* in this report.

In contrast to the males, the crude death rate for white females (10.0) was higher than the rate for black females (9.2). Yet, for the age-specific rates among the females, a pattern similar to that among the males was evident between the two racial groups. Age-specific death rates for white females were not higher than for black females until the age group 85 and over. Resident deaths among females of Hispanic origin numbered only 342 in Pennsylvania during 1990, for a death rate of 3.0 per 1,000 Hispanic females. The age-specific death rates for this group were similar at the younger ages but lower at the older age groups than the corresponding rates for white and black females. As explained above for Hispanic males, the Hispanic population in Pennsylvania is both very small and very young, factors that directly affect these age-specific rates.

Age-Adjusted Death Rates: One explanation often used for Pennsylvania's consistently higher crude death rates is that Pennsylvania has one of the oldest populations among the fifty states. To take that into account, age-adjusted death rates by sex and race (white and all other races) were computed for the state back to 1950. In comparing these special United States and Pennsylvania death rates that have been adjusted for differences in the ages of the populations being studied, we find that most Pennsylvanians have experienced similar or only slightly higher mortality rates than the United States as a whole. The gap between the Pennsylvania and United States rates has narrowed over the years. In 1950, the age-adjusted death rate for the state was 6.0 percent higher than the same rate for the United States. In 1975, Pennsylvania's rate was 3.2 percent higher and, in 1985, 1.8 percent higher. By 1990, the (total) rates for the United States (provisional) and Pennsylvania were the same (5.2 per 1,000 population), as shown in the bar chart to the left.

In reviewing the 1990 age-adjusted death rates by sex (again, see chart to the left), the rate for males was 70 percent higher than the rate for females. Since 1950, the rates for males have been higher. However, in 1950, the male rate was 40.0 percent higher than the female rate and the percentage difference between these rates continued to increase until the 1970's. Since then, the percentage difference has remained at approximately 70-75 percent.

Age-adjusted death rates by race for Pennsylvania and the United States showed that while the rates among whites in Pennsylvania have been similar to the United States rates for whites, the Pennsylvania rates for races other than white have been higher than the comparable United States rates. In 1990, the age-adjusted death rate for whites in both Pennsylvania and the United States was 4.9 per 1,000 population. Among races other than white, the figure was 7.4 for Pennsylvania and 6.3 for the United States. The state's 1990 age-adjusted death rate among races other than white was 51.0 percent higher than the rate for whites. In comparison, the United States rate among races other than white in 1990 was 28.6 percent higher than the rate for whites. These rates are also shown in the above bar chart. Please note that 1990 age-adjusted rates for the United States are provisional.

Infant Deaths: The annual number of resident infant deaths for Pennsylvania decreased by 4.1 percent, from 1,696 in 1989 to 1,627 in 1990. The corresponding infant death rate also decreased to 9.5 per 1,000 live births in 1990, the lowest ever recorded. The second lowest was 9.8, recorded in 1988. The 1990 infant death number was the second lowest annual figure recorded – the lowest (1,615) occurred in 1988.

In 1990, 66.2 percent of the infant deaths occurred during the neonatal period (the first 27 days of life) and the remaining 33.8 percent during the postneonatal period (28-364 days). From 1950 to 1988, Pennsylvania's resident infant and neonatal death rates had been similar to those for the United States with significant decreases since 1950 but fewer and smaller declines in the last several years. In 1989, while United States provisional figures showed another decline in the rate of infant deaths, the Pennsylvania rate increased to 10.1. In 1990, the United States rate continued the decline to a provisional record low figure of 9.1. The record low 1990 rate for Pennsylvania of 9.5 put the state back on the downward trend along with the United States figures.

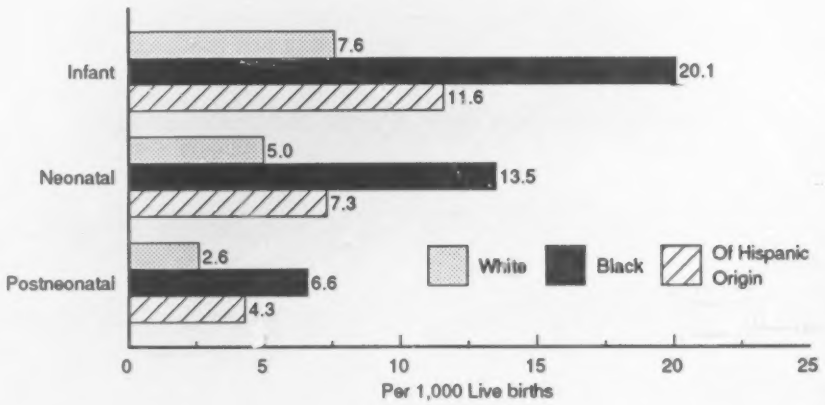
Infant Deaths by Race and Hispanic Origin: The resident infant death rates for whites, blacks, and Hispanics declined in 1990, compared to 1989 figures. All three rates were the lowest ever recorded. However, data on residents of Hispanic origin have only been collected since 1989. The number of white infant deaths (1,091) in 1990 was the second lowest, with the lowest being the 1,090 recorded in 1988. Neonatal death rates for 1990 were also the lowest reported for whites, blacks, and Hispanics. However, while 1990 postneonatal death rates were also the lowest ever recorded for blacks and Hispanics, the white rate for 1990 was an increase from 1989 and the highest such rate since 1986.

The bar chart to the right shows the wide discrepancies in the infant, neonatal, and postneonatal death rates among whites, blacks, and Hispanics. The 1990 infant, neonatal, and postneonatal death rates among blacks were approximately two and one-half times as high as those for whites. Historical data for the years 1980 to 1989 show this same gap between the rates for these two races. The Hispanic infant, neonatal, and postneonatal death rates for 1990 were approximately one and one-half times higher than the rates for whites.

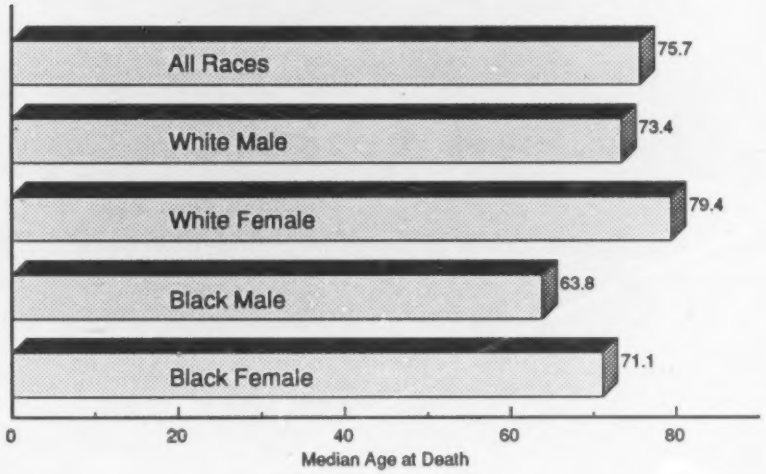
Leading Causes of Death: The leading cause of death to Pennsylvania residents continued to be heart disease, which accounted for 43,204 or 35.7 percent of all deaths. The 1990 figure is a decrease of 1,580 deaths from the 44,784 recorded in 1989 and is the lowest annual number of deaths due to heart disease since 1948. However, there was an increase in the number of resident deaths in 1990 due to malignant neoplasms or cancer, compared to 1989. There were 29,677 cancer deaths in 1990, compared to 29,064 in 1989. The 1990 figure is the largest annual number of cancer deaths ever recorded in Pennsylvania and continues the persistent, historical increases in the annual number of deaths due to this disease. Cancer remained, by far, the second most frequent cause of death to residents of the state, being responsible for almost 25 percent of all deaths in 1990. The ranking of the three most frequent causes of death – heart disease, malignant neoplasms (cancer), and cerebrovascular disease (stroke) – has remained the same since 1945. Together, these three causes accounted for almost two-thirds (66.5 percent) of all the deaths in 1990. However, cancer's percentage share of deaths has consistently increased since 1950 while the figures for the other two causes have declined.

Deaths due to chronic obstructive pulmonary disease were the fourth leading cause of death in 1990. Chronic obstructive pulmonary disease is a relatively new category that includes bronchitis, emphysema, asthma and allied conditions. The National Center for Health Statistics and state health agencies have been listing this category since the latest revision of the International Classification of Diseases took effect in 1979. Since the late 1970's, medical certifiers have been using the term, chronic obstructive pulmonary disease, on certificates instead of a more specific diagnosis. And, for comparison with mortality statistics reported by other states and the United States, this new

Infant, Neonatal, and Postneonatal Death Rates by Race and Hispanic Origin Pennsylvania Residents, 1990



Median Age at Death by Sex and Race
Pennsylvania Residents, 1990



category was first introduced in the 1982 report of Pennsylvania Vital Statistics. Chronic obstructive pulmonary disease was the fourth leading cause of death twice before, in 1986 and 1989. In most of the recent years, this cause of death ranked fifth. In 1990 and 1989, it accounted for 3.7 percent of all deaths, compared to 3.4 in 1988, 1987, and 1986. Deaths due to unintentional injuries or accidents ranked fifth in 1990, with 4,001 resident deaths reported.

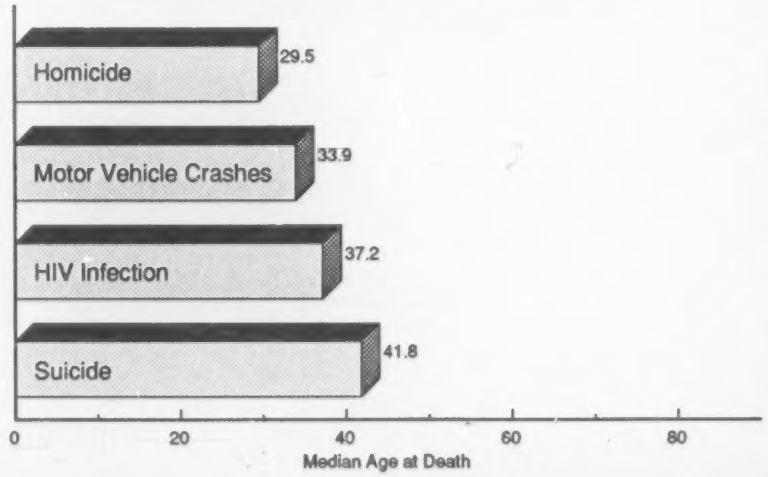
Among the causes ranked sixth through tenth (pneumonia and influenza, diabetes mellitus, septicemia, suicide, and nephritis and nephrosis), there was no change in the order from the 1989 list. The number of deaths due to septicemia (the eighth leading cause of death in 1990 and 1989) was only a slight increase of 41 from 1989 but was still more than double the 1980 figure. Deaths due to atherosclerosis, perinatal conditions, congenital anomalies, tuberculosis, and syphilis have decreased significantly over the years 1940-1990.

Median Age at Death by Sex and Race: The median age at death for residents of Pennsylvania in 1990 was 75.7, an increase of 2.5 years from the median age of 73.2 recorded for 1980. The increase has been steady and consistent over the years. The same is true of the median ages at death for both males and females. However, the female median age at death (78.8) in 1990 was 6.2 years higher than the 72.6 for males. This difference between the sexes has been consistent since 1980.

The median age at death among whites in 1990 (76.3) was 9.1 years higher than the 67.2 recorded for blacks. In 1980, the difference had been 8.3 years and had narrowed to 7.2 years by 1984. However, the difference in 1985 increased to 8.1 years and has since increased to the 9.1 for 1990. As shown in the bar chart to the left, a difference of approximately 9 years also exists between white males and black males as well as between white females and black females. Essentially, what has happened is that, while the median age at death for whites has continued to increase, the median age at death for blacks has been decreasing in recent years.

Median Age at Death by Cause: As shown in the bar chart below, residents of Pennsylvania who died from homicides, unintentional injuries involving motor vehicles, HIV infection, and suicide in 1990 had the lowest median ages at death among the 16 leading causes. The median age at death for homicides in 1990 was 29.5; for injuries sustained in motor vehicle crashes, it was 33.9; for HIV infection, 37.2; and, for suicide, 41.8. This same order occurred for white males and black females. However, black males who died from injuries in motor vehicle

Major Causes of Death with Lowest Median Ages at Death
Pennsylvania Residents, 1990



crashes had the lowest median age at death, followed by homicide, suicide, and HIV infection. Among white females, the lowest median age at death was for homicide, followed by HIV infection, motor vehicle crashes, and suicide. Other causes with somewhat lower median ages at death included unintentional injuries not involving motor vehicles (64.1) and liver disease and cirrhosis (64.4). The highest median ages at death occurred for atherosclerosis (85.2) and pneumonia/influenza (83.4). This was true of white males and females and black females. However, for black males, septicemia deaths replaced pneumonia/influenza as having the second highest median age.

The largest difference in median ages between the sexes occurred for deaths due to unintentional injuries, especially non-motor vehicle (51.5 for males, 77.6 for females). However, the age/sex difference for deaths due to unintentional injuries was somewhat less evident among blacks. For two other causes (liver disease/cirrhosis and nephritis/nephrosis), there was a difference of approximately 10 years in the median age at death between the two races.

Cause-Specific Death Rates: Cause-specific death rates for 1990 displayed the prominence of heart disease and malignant neoplasms among the leading causes, with rates of 363.6 and 249.8, respectively, per 100,000 population. While the 1990 heart disease death rate was lower than the 372.0 reported in 1989 and the lowest rate recorded since 1947, the 1990 cancer death rate of 249.8 was the highest ever recorded for the state. The third highest cause-specific death rate in 1990 was 64.6 for cerebrovascular disease or stroke. Even though the 1990 rate is an increase from the 1989 figure of 63.8, the death rate for this disease has been on a rather steady decline since the mid-1970's. 1990 is only the fourth year that data on deaths due to HIV (Human Immunodeficiency Virus) infection have become available via the certificate of death. Among the 34 major causes listed, HIV Infection placed sixteenth, with 750 deaths and a rate of 6.3 per 100,000 population. The rate of death for this cause has risen steadily since 1987. That year the rate was 3.1; in 1988, it was 3.9; and, by 1989, 5.4.

Causes of Death by Age: For children under 5 years of age (see pie chart below), deaths in 1990 were due mainly to perinatal/early infancy conditions (43.1 percent), congenital anomalies/birth defects (19.7 percent), and unintentional injuries (6.5 percent).

Persons 5-24 years of age had both the lowest number and the lowest death rate among the age groups listed. Unintentional injuries caused over 43 percent of all these deaths. Motor vehicle collisions alone accounted for 32.0 percent of the deaths, homicide for 14.9 percent, suicide for 13.4 percent, and malignant neoplasms for 7.5 percent.

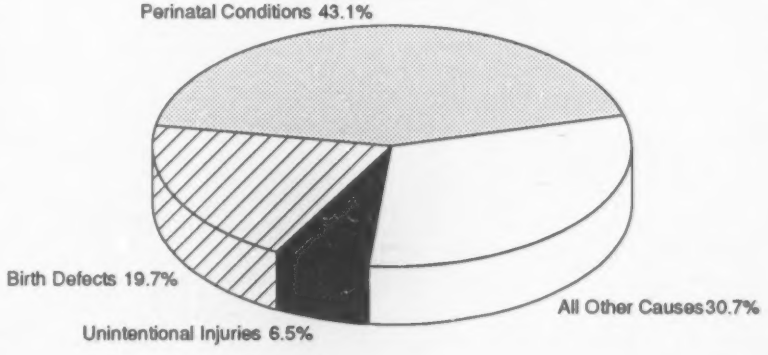
Almost 19 percent of the deaths to persons 25-44 years of age were from unintentional injuries; another 18.2 percent were from malignant neoplasms; 12.0 percent were from heart disease, and 9.9 percent from suicide. Also, 9.6 percent of the deaths to this age group were due to HIV infection, up from 8.4 percent in 1989 and making it the fifth leading cause of death among 25 to 44 year-olds in Pennsylvania in 1990.

For the age group 45-64, the leading causes of death were malignant neoplasms and heart disease. Together they accounted for almost 69 percent of these deaths. Cerebrovascular disease was a distant third at 3.7 percent.

Heart disease accounted for over 37 percent of the deaths to residents 65-84 years of age, malignant neoplasms for 27.3 percent, and cerebrovascular disease for 6.5 percent.

For the age group 85 and over, 45.4 percent of the deaths were from heart disease, compared to 11.5 percent from malignant neoplasms, 9.6 percent from cerebrovascular disease, and 6.5 percent from pneumonia and influenza.

Resident Deaths Among Children Under Age Five
Percent by Major Cause, Pennsylvania, 1990



Causes of Death by Sex: In 1990, 1,238 males died as a result of motor vehicle collisions, compared to 520 females. Other causes with significant sex differences included suicide (1,173 males versus 273 females), HIV infection (682 males and 68 females), homicide (636 males and 188 females), and pneumoconiosis (487 males and 5 females). There were no female-dominated causes with such dramatic sex difference, although females did outnumber males in causes such as cerebrovascular disease, pneumonia and influenza, diabetes mellitus, septicemia, and atherosclerosis. It is interesting to note that most of the causes dominated by males were external causes of injury and poisoning, with the exceptions of pneumoconiosis which is an occupational disease and HIV infection which is a disease predominantly transmitted among homosexual men in Pennsylvania. However, the female-dominated causes were all chronic diseases mainly associated with the elderly. The number of male deaths outnumbered female deaths in all the age groups except the oldest, 85 years of age and older. In fact, the number of male deaths under 45 years of age was more than twice the number of female deaths for those ages in 1990. Cause-specific death rates by sex displayed similar patterns.

Causes of Death by Race: During 1990, 36.7 percent of the deaths among whites were due to heart disease, compared to 26.9 percent for blacks. The proportions dying from malignant neoplasms and cerebrovascular disease were similar for both whites and blacks. As shown in the table chart to the right, homicide and perinatal conditions appeared in the top ten leading causes for blacks but not for whites. Instead, suicide and nephritis/nephrosis appeared in the top ten leading causes of death among whites. For blacks aged 5-44, the leading cause of death in 1990 was homicide; for whites of these ages, homicide placed sixth, with the leading cause being unintentional injuries. For the age group 45-64, suicide appeared in the top ten for whites; among blacks, suicide was not among the top ten but HIV infection was. HIV infection also appeared in the top ten causes of death for whites in the age groups 5-24 and 25-44. Among blacks, it appeared in the top ten for all the age groups under 65 years of age.

Age-Adjusted Death Rates by Cause: In comparing age-adjusted death rates for 16 selected major causes of death for Pennsylvania and the United States in 1990, Pennsylvania's rates for heart disease, malignant neoplasms, diabetes, septicemia, and nephritis/nephrosis were higher than the United States rates but lower for all other causes, especially for unintentional injuries, homicide, and HIV infection. The 1990 Pennsylvania age-adjusted death rates were lower than comparable average annual (1986-90) age-adjusted death rates for 11 out of the 15 major causes (a 1986-90 rate for HIV infection is not available) – heart disease. malignant neoplasms, cerebrovascular disease, chronic obstructive pulmonary disease, unintentional injuries, septicemia, nephritis and nephrosis, liver disease and cirrhosis, aortic aneurysm, atherosclerosis, and pneumoconiosis.

Top Ten Leading Causes of Death by Race
Pennsylvania Residents, 1990

Rank	White Residents	Black Residents
1	Heart Disease	Heart Disease
2	Cancer	Cancer
3	Stroke	Stroke
4	Chronic Obstructive Pulmonary Disease	Homicide
5	Pneumonia/Flu	Unintentional Injury
6	Unintentional Injury	TIE: Pneumonia/Flu Perinatal Conditions
7	Diabetes	
8	Septicemia	Diabetes
9	Suicide	Septicemia
10	Nephritis/Nephrosis	Chronic Obstructive Pulmonary Disease

Causes of Death by Type:

Infectious and Parasitic Diseases- These deaths occurred at a rate of 24.5 per 100,000 population in 1990, compared to 10.3 in 1980 which was less than half the 1990 rate. Septicemia was the underlying cause of death for 58.7 percent of these deaths. HIV infection accounted for almost 26 percent, compared to 14.3 percent in 1987 when cause of death information for HIV infection was first collected.

Malignant Neoplasms - The number of resident deaths from cancer increased from 29,064 in 1989 to 29,677 in 1990. As shown in the pie chart below, almost 57 percent of the cancer deaths in 1990 were due to malignant neoplasms of five major sites: trachea, bronchus and lung (26.1 percent), colon (10.4 percent), female breast (9.1 percent), prostate (6.2 percent), and pancreas (4.6 percent). The death rate for malignant neoplasms (249.8 per 100,000 population) was the highest annual rate ever recorded in Pennsylvania. The second highest was the 1989 rate of 241.4.

Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders - Of the 4,071 deaths due to these diseases and immunity disorders in 1990, almost 76 percent were from diabetes mellitus. The 1990 death rate for diabetes was 25.9 per 100,000 population, compared to 27.5 in 1989.

Diseases of the Nervous System and Sense Organs - Hereditary and degenerative diseases of the central nervous system, including Tay-Sachs disease among children and Parkinson's disease among the elderly, accounted for nearly two-thirds (64.5 percent) of the deaths in this category. Other disorders of the central nervous system, including multiple sclerosis, infantile cerebral palsy, and epilepsy, made up the other major subdivision, accounting for almost 27 percent of the 2,109 deaths in 1990.

Circulatory System - The number of deaths due to these diseases decreased from 55,468 in 1989 to 53,682 in 1990 – a decline of 3.2 percent. Almost 53 percent of these deaths in 1990 were the result of ischemic heart disease, including 15,476 deaths due to acute myocardial infarction. Another category, cerebrovascular disease or stroke, accounted for 7,678 deaths or 14.3 percent. Other major categories included cardiac dysrhythmias (2,657 deaths), diseases of the arteries, arterioles and capillaries (2,223 deaths), and hypertensive diseases (1,388 deaths).

Respiratory System - Of the 10,357 resident deaths due to diseases of the respiratory system in 1990, 43.3 percent were due to chronic obstructive pulmonary disease which includes emphysema, asthma, and bronchitis. Another 37.4 percent of the deaths were the result of pneumonia and influenza. The number of deaths due to coalworker's pneumoconiosis was 436, a significant decrease from the 727 deaths recorded in 1980.

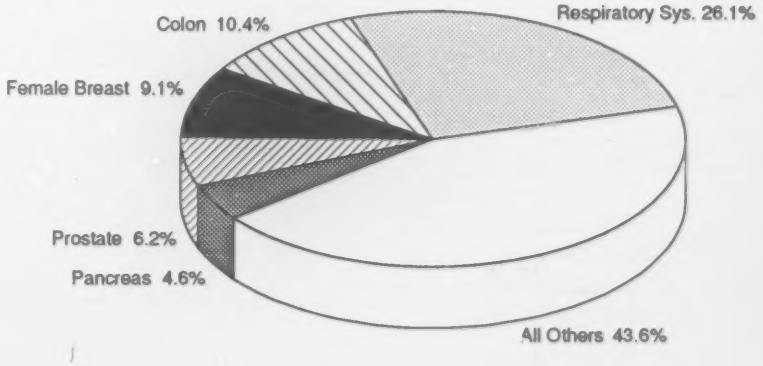
Digestive System - The number of deaths due to diseases of the digestive system during 1990 in Pennsylvania was 4,163. Almost 30 percent (1,232) of these deaths were from chronic liver disease and cirrhosis. Diseases of the esophagus, stomach and duodenal which include gastric, duodenal and peptic ulcers accounted for another 10.8 percent of these deaths.

Diseases of the Genitourinary System - Of the 2,446 deaths due to diseases and disorders of the genitourinary system, over 57 percent were due to nephritis, nephrotic syndrome and nephrosis, in most cases, renal failure.

Maternal Deaths - Resident deaths resulting from complications of pregnancy, childbirth and the puerperium numbered 11 or 0.6 per 10,000 live births in 1990. In 1989, there were 13 maternal deaths which was the highest number since 1986 when there were 14 maternal deaths.

External Causes of Injury and Poisoning - Of the 6,391 deaths in 1990 due to these causes, 62.6

Resident Deaths Due to Cancer
Percent by Major Site, Pennsylvania, 1990



percent or 4,001 were due to unintentional injuries. Approximately 43 percent or 1,720 of the deaths due to unintentional injuries involved motor vehicles in traffic. Other major types of deaths due to unintentional injury included falls (620 deaths), poisoning (400 deaths), submersion and suffocation (320 deaths), and fires (204 deaths). The second highest number of deaths for all external causes of death was for suicides – 1,446 or 12.2 per 100,000 population. Homicides increased from 777 in 1989 to 818 (6.9 per 100,000 population) in 1990, the highest number (and rate) since 1980 when both the number and rate were exactly the same. As recently as 1985, the number and rate of homicides had been down to 581 and 4.9. Over half of the suicides and the homicides involved firearms and explosives. Only 120 resident deaths or 1.9 percent of the deaths in this category were undetermined as unintentionally or purposely inflicted.

Infant Deaths by Cause:

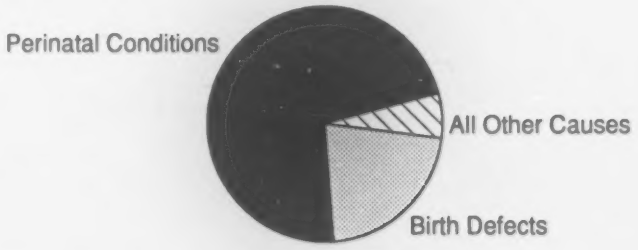
Age at Death - As shown in the pie charts to the right, the cause of death for infants varied according to the age at death. For neonatal deaths (under 28 days of age), 72.0 percent were the result of perinatal conditions and another 21.8 percent were due to congenital anomalies or birth defects. For postneonatal deaths (28-364 days of age), 38.5 percent were the result of sudden infant death syndrome and another 18.5 percent were due to congenital anomalies.

Congenital Anomalies - Almost 37 percent of the infant deaths in this category were due to congenital anomalies of the circulatory system. Almost 17 percent were the result of anomalies of the respiratory system, followed by chromosomal anomalies (including Down, Patau's, and Edward's Syndromes) with 12.8 percent, and anomalies of the nervous system and sense organs with 12.2 percent.

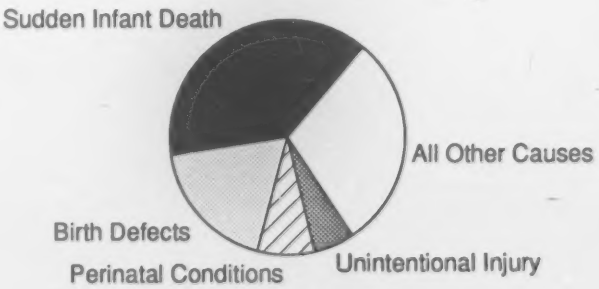
Perinatal Conditions - In 1990, there were 818 resident infant deaths due to perinatal conditions, compared to 1,194 in 1980. Almost 68 percent of these types of deaths occurred among infants under 1 day of age. Disorders relating to short gestation and low birth weight accounted for 30.7 percent while respiratory distress syndrome and other respiratory conditions of the newborn were responsible for another 28.7 percent of infant deaths due to perinatal conditions. Maternal complications of pregnancy (primarily, multiple pregnancy) and complications of placenta, cord and membrane were responsible for 15.5 percent of the infant deaths due to perinatal conditions in 1990.

All Other Causes - Of the 472 infant deaths due to causes other than congenital anomalies and perinatal conditions, almost half (230) were attributed to sudden infant death syndrome (SIDS). Over 92 percent of the infant deaths due to SIDS occurred during the postneonatal period (28-364 days of age). Figures for all other types of causes in this category were much smaller. For example, pneumonia accounted

Resident Neonatal and Postneonatal Deaths Percent by Major Causes of Death Pennsylvania, 1990



Neonatal Deaths



Postneonatal Deaths

for 27 infant deaths, septicemia, for 16 infant deaths, and HIV infection accounted for only three infant deaths in 1990. External causes of injury and poisoning accounted for 45 infant deaths in 1990. Over 84 percent of these types of deaths were due to three causes – submersion/suffocation, homicide, and fires. Postneonates accounted for 85.8 percent of the infant deaths due to causes other than congenital anomalies and perinatal conditions in 1990.

Fetal Deaths:

NOTE: In Pennsylvania, a fetal death is required by law to be reported only if the gestational age of the fetus was more than 16 weeks. The data for fetal deaths in this report reflect this legal requirement. See the *Technical Notes* section in the back of this report for further discussion of data on fetal deaths.

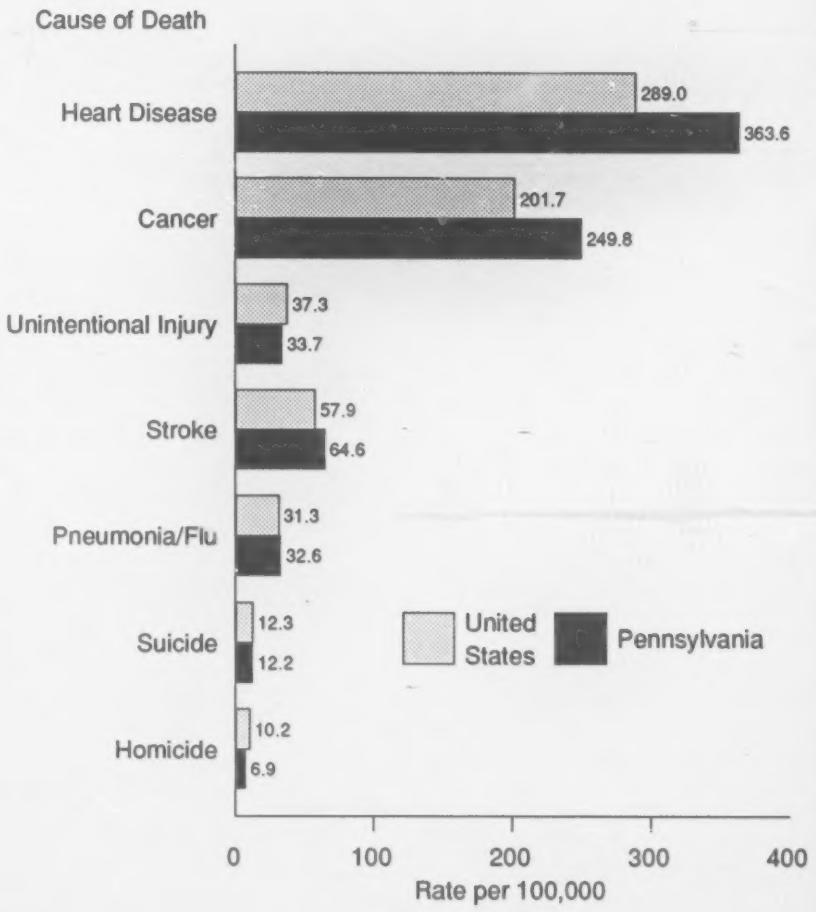
The fetal death rate in 1990 was 16.8 per 1,000 deliveries (live births plus fetal deaths). In 1989, the rate was 16.3 and, in 1980, 21.3. Approximately one-third or 33.2 percent of the 2,926 reported fetal deaths to residents in 1990 were induced terminations of pregnancy or abortion.

Of the 1,955 fetal deaths excluding induced terminations, 564 (28.8 percent) were due to complications of the placenta, cord and membranes; 276 (14.1 percent), to maternal complications of pregnancy; and 208 or 10.6 percent were the result of disorders relating to short gestation and low birth weight. Another 112 or 5.7 percent were due to congenital anomalies or birth defects.

PA. and U.S. Death Rates by Type:

Pennsylvania's death rates due to heart disease, malignant neoplasms and cerebrovascular disease were consistently higher throughout the period 1950-1990 compared to the rates for the United States. Pennsylvania has one of the highest median ages among all the states. Such an older age distribution is a major factor contributing to higher rates for chronic diseases such as heart disease and cancer. Also, when comparing death rates for external causes for the same period, Pennsylvania's rates for unintentional injuries and homicides are consistently lower, especially for homicides. Comparison of the United States and Pennsylvania death rates for pneumonia and influenza indicate similar figures over the years 1950-1990. However, since 1986, Pennsylvania's rates have been higher. Also, suicide death rates for Pennsylvania have become comparable to the United States rates in recent years. Previously, Pennsylvania's rates were almost always somewhat lower. For the seven major causes of death, trends over the forty year period were similar in Pennsylvania and the United States. The horizontal bar chart above provides a visual comparison of the 1990 death rates for these seven major causes between the United States and Pennsylvania.

Death Rates for Seven Major Causes United States and Pennsylvania Residents, 1990



Causes of Death by Age, Sex, and Race:

Heart Disease - Ischemic heart disease including acute myocardial infarction accounted for almost two-thirds or 65.6 percent of all heart disease deaths among Pennsylvania residents in 1990. In 1980, the corresponding percentage was 70.3. In comparing the types of heart disease deaths by sex, more males tended to die from acute myocardial infarction while more females died from other ischemic heart disease, rheumatic heart disease, heart disease with hypertension, and diseases of pulmonary circulation.

Malignant Neoplasms - The three major types of cancer deaths among Pennsylvania males in 1990 were those of the respiratory, digestive, and genitourinary systems, in that order. Among females, the top three were cancers of the digestive system, the bone, tissue, skin and breast, and the respiratory system. The respiratory system was the major site of cancer deaths among males aged 35 and older. For females of ages 25-54, malignant neoplasms of the bone, tissue, skin and breast were predominant and respiratory and digestive system cancers were the major types in females 55 years of age and older.

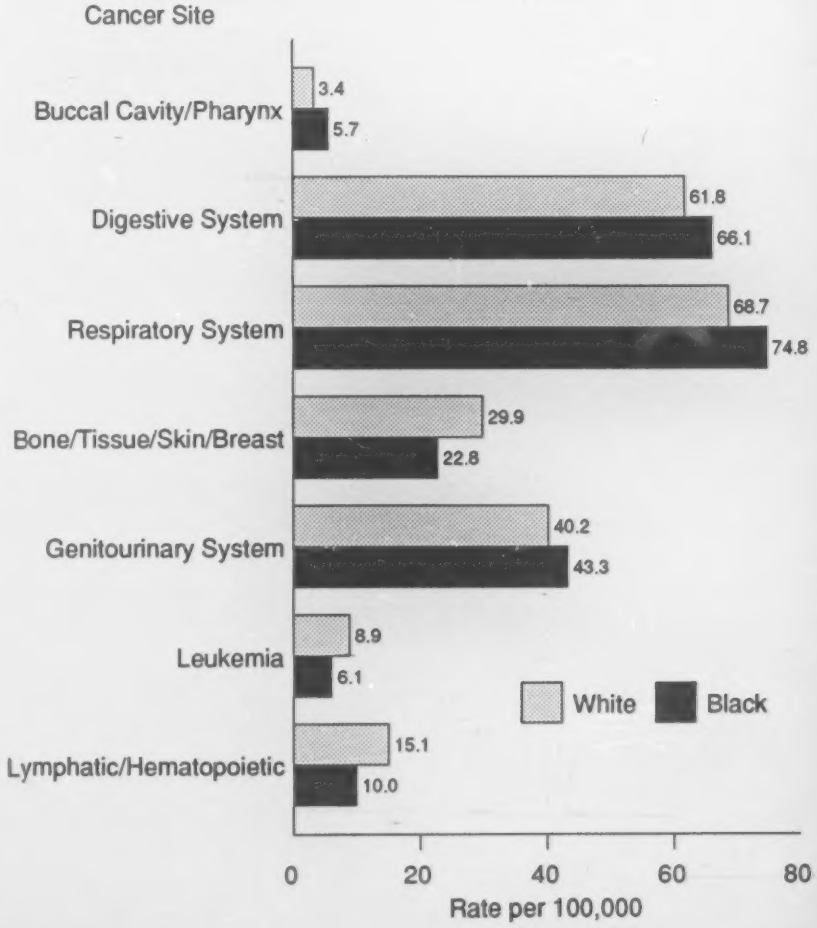
In comparing the seven different major cancer sites by race, the rates were higher among whites for four sites. The cancer death rates for lymphatic and hematopoietic tissues, leukemia, and bone, tissue, skin and breast among whites were 51.0, 45.9, and 31.1 percent higher, respectively, than for blacks. However, the cancer death rate for buccal cavity and pharynx among blacks was 67.6 percent higher than the rate for whites. The bar chart to the right displays the racial differences in the rates for the seven major sites.

Unintentional Injury - Almost 44 percent of the deaths due to unintentional injury were motor vehicle-related in 1990. For ages 5 to 74, motor vehicle collision was the leading type of fatal injury. For deaths to children under 5 years of age, the most prevalent type of unintended injury was caused by fires. Among the elderly, 75 years of age and older, falls were the leading cause of unintended injury deaths, accounting for 389 or 38.5 percent of the 1,011 deaths in this age group during 1990.

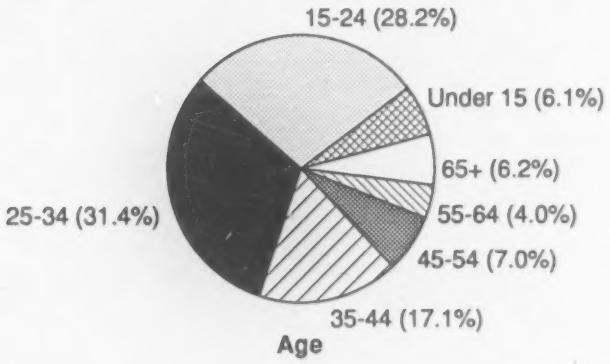
In making comparisons by sex of the types of unintended injury deaths, males accounted for almost 66 percent of all these deaths. Males also represented over 70 percent of the deaths that were motor vehicle-related as well as 76.8 percent of deaths due to unintentional poisoning. Male deaths outnumbered female deaths in every major category except for unintentional deaths due to surgical complications.

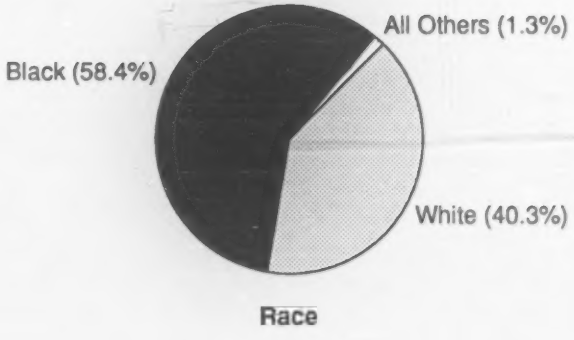
Cerebrovascular Disease - Stroke or cerebrovascular disease accounted for 7,678 resident deaths in 1990 for a rate of 64.6 per 100,000 population. This is the lowest number and second lowest rate ever recorded in Pennsylvania. The lowest rate was recorded in 1989 –

Cancer Death Rates for Seven Major Sites by Race Pennsylvania Residents, 1990



Homicides, Percent by Age and Race Pennsylvania Residents, 1990





63.8. The number and rate for this condition have declined significantly in recent years.

Pneumonia and Influenza - The number and rate of resident deaths due to pneumonia and influenza have been increasing through much of the 1980's. However, the number and rate (3,876 and 32.6) for 1990 were decreases from the 1989 figures. In 1988, the number (3,990) and rate of these types of deaths had become the highest annual figures recorded since 1968.

Suicides - The 1990 suicide death rate of 12.2 per 100,000 population was an increase from the 1989 rate of 12.0 which was the lowest recorded since 1984. Males accounted for over 81 percent of all suicide deaths recorded for Pennsylvania residents in 1990. Approximately the same percentages occurred by sex among whites and blacks. The largest number and percentage of total suicides occurred in the ten-year age group 25-34 – 317 and 21.9 percent. This was also true for males of both races and black females. However, the age group 35-44 had the largest number of suicide deaths among white females. Even though the largest numbers of suicides usually occur among the younger age groups, the death rates for suicide are usually higher among the elderly.

Homicides - The 1990 number and rate due to homicides and legal intervention in Pennsylvania (824 and 6.9) were the highest since 1980. Over 77 percent of these deaths in 1990 involved males. However, while white males accounted for 67.8 percent of the homicides among whites, almost 84 percent of the homicides among blacks involved males. As shown in the pie chart to the left, almost 60 percent of the homicides and deaths due to legal intervention in 1990 were to persons 15-34 years of age. Among both blacks and whites, the age group 25-34 had the highest number of homicides. While blacks accounted for 9.5 percent of all deaths in 1990, they represented over 58 percent of all the homicide and legal intervention deaths in 1990 (see pie chart to the left).

COUNTIES

NOTE: County by county comparisons should be made very cautiously. For example, Forest County had the highest death rate in 1990 and Centre County the lowest among the 67 counties. This is a reflection of the size and age of these populations. Forest County had the highest median age (40.7) and Centre County the lowest (27.0) according to 1990 census figures. Forest County is also the least populated county in the state with a 1990 total enumerated population of only 4,802. See the *Reliability of Rates* section of the *Technical Notes* in the back of this report for more discussion of small area data analysis.

Total Deaths: Average annual crude death rates by county for the five-year period of 1986-90 can provide more accurate and useful information than one-year rates. The

state/county map of those rates demonstrates that higher death rates occurred in the northeastern and western sections of the state while relatively lower rates occurred in the southcentral and southeastern parts of the state.

Infant Deaths: The average annual infant death rates for 1986-90 displayed on a state map of the counties showed that the metropolitan counties containing Philadelphia, Pittsburgh, Harrisburg, and Erie as well as the western part of the state tended to have higher rates. Average annual neonatal death rates by county demonstrated similar patterns.

Age-Adjusted Death Rates: Death rates adjusted for age can be used to obtain a more accurate description of recent mortality experiences and provide a basis for comparison. Average annual age-adjusted death rates by county for the five-year period of 1986-90 also help to diminish the effects of artifically high or low annual figures that can occur among the less populated counties. Average annual age-adjusted death rates by county showed Philadelphia County with the highest age-adjusted total death rate in the state at 7.2 deaths per 1,000 population. Only two counties had average annual age-adjusted death rates of 4.5 or below – Montgomery (4.2) and Pike (4.5). Philadelphia had the highest average annual age-adjusted death rates for males (9.9) and for females (5.3). This highest rate (5.3) for females was still lower than the lowest average annual age-adjusted death rate for males (5.6). Montgomery County claimed this lowest male rate. Pike County had the lowest average annual age-adjusted female death rate of 3.4 for 1986-90.

Average annual age-adjusted death rates for 1986-90 for the top five leading causes of death (heart disease, cancer, stroke, chronic obstructive pulmonary disease, and unintentional injuries) by county further illustrate the different mortality patterns experienced across the state. A rural, southwestern county (Greene) had the highest average annual age-adjusted death rate for heart disease – 212.7 per 100,000 population – compared to Montgomery County (a suburban, southeastern county) that had the lowest such rate in the state – 135.3. Philadelphia County (the most populated urban county in the state) had the highest average annual age-adjusted cancer death rate with 178.2 per 100,000. Bradford County (one of the state's rural counties) had the lowest comparable rate – 108.9.

Deaths by Race: Sixteen counties had no deaths in 1990 to black residents. Another 11 counties had only one or two such resident deaths in 1990. As shown in the pie chart below, Philadelphia accounted for 65.1 percent of all deaths in the state to black residents during 1990. Five other counties (Allegheny, Chester, Dauphin, Delaware, and Montgomery) accounted for another 25.6 percent of the 1990 resident black deaths.

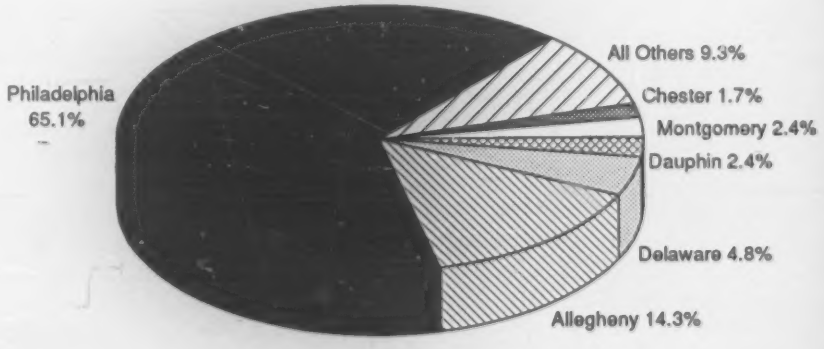
Causes of Death: Almost 59 percent of the homicide deaths and 41.7 percent of the deaths due to HIV infection in Pennsylvania during 1990 were to residents of Philadelphia. Two counties – Luzerne and Schuylkill – accounted for 59.1 percent of the resident deaths due to pneumoconiosis.

MUNICIPALITIES

Total Deaths: Of the 23 cities and boroughs examined, McKeesport had the highest resident crude death rate in 1990 – 16.7 per 1,000 population, followed by New Castle (16.3). Average annual death rates for 1986-90 showed McKeesport with the highest rate (18.2), followed by Johnstown with 16.6.

Infant Deaths: Chester had the highest 1990 infant death rate, with 18.2 deaths per 1,000 resident live births. Bethel Park, with only two resident infant deaths, had the lowest 1990 infant death rate among the 23 municipalities. In comparing the average annual (1986-90) infant and neonatal death rates for the

Resident Deaths Among Blacks
Percent by County, Pennsylvania, 1990



municipalities, Philadelphia had the highest infant death rate at 16.5 per 1,000 live births, followed by Chester with a rate of 16.4 and Pittsburgh with 16.3. The highest average annual neonatal death rate belonged to Pittsburgh (12.0). Bethel Park had both the lowest average annual infant death rate (5.0) and the lowest average annual neonatal death rate (3.2) for 1986-90.

Deaths by Race and Hispanic Origin: State College had only one death to a black resident in 1990. Philadelphia and Pittsburgh accounted for just over 75 percent of all deaths to black residents of the state during 1990. As shown in the pie chart below, Philadelphia also accounted for 45.8 percent of all the deaths to residents of Hispanic origin in 1990. Lancaster, Reading, Bethlehem, and Allentown accounted for another 16.6 percent of the deaths to these residents.

Causes of Death: New Castle had a heart disease death rate that was approximately twice as high as the state rate. Among the two major types of deaths due to unintentional injuries (motor vehicle-related and other, such as falls, drownings, etc.), Harrisburg had the highest death rate involving motor vehicle collisions and Norristown had the highest death rate due to other unintentional injuries. Among Johnstown residents, the suicide death rate was 28.4, compared to 12.2 for the state. Chester and Philadelphia had the highest homicide resident death rates with 33.4 and 30.6, respectively. Third highest was Harrisburg with 26.7. Seven municipalities experienced no homicides of residents in 1990. Harrisburg had the highest death rate for HIV infection, with 19 resident deaths, for a rate of 36.3 per 100,000 population. Lancaster had 13 resident deaths due to HIV infection and a rate of 23.4. Philadelphia had 313 resident deaths due to HIV infection for a rate of 19.7.

Resident Deaths Among Hispanic Residents
Percent by Municipality, Pennsylvania, 1990

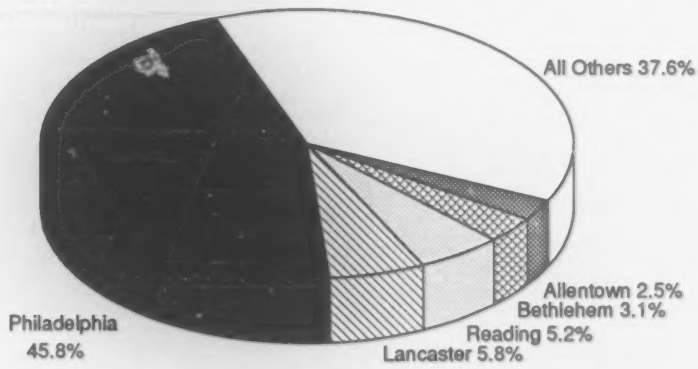


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TABLE C-1
RESIDENT DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL,
AND MATERNAL DEATHS: PENNSYLVANIA, 1950-1990

YEAR	TOTAL DEATHS	LIVE BIRTHS	FETAL DEATHS	INFANT DEATHS	NEONATAL DEATHS	MATERNAL DEATHS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1990	121,081	171,053	2,926	1,627	1,077	11
1989	122,956	168,108	2,789	1,696	1,171	13
1988	125,337	165,169	3,184	1,615	1,092	8
1987	124,986	162,348	3,212	1,654	1,164	8
1986	123,852	160,336	3,026	1,628	1,084	14
1985	123,233	160,001	3,015	1,734	1,201	11
1984	121,358	156,799	3,141	1,634	1,129	12
1983	121,066	157,810	3,198	1,764	1,229	10
1982	118,450	161,561	3,193	1,853	1,320	8
1981	119,612	160,179	3,061	1,902	1,357	7
1980	123,233	158,670	3,455	2,095	1,529	12
1979	117,097	157,533	3,608	2,118	1,548	12
1978	119,279	151,438	4,034	2,031	1,540	19
1977	118,853	153,415	4,058	2,137	1,608	19
1976	120,882	148,004	4,349	2,276	1,746	26
1975	120,459	148,942	3,848	2,423	1,855	10
1974	122,943	151,458	4,372	2,584	2,013	11
1973	126,483	153,272	4,229	2,607	1,980	21
1972	127,136	163,110	3,768	2,912	2,244	20
1971	126,597	180,939	4,079	3,314	2,548	36
1970	126,564	192,154	4,495	3,879	3,027	40
1969	126,704	185,046	3,668	3,865	3,003	37
1968	130,802	185,729	3,539	4,015	3,154	33
1967	125,494	188,706	3,589	4,158	3,261	48
1966	126,820	195,869	3,765	4,323	3,354	50
1965	125,670	204,105	3,922	4,737	3,592	44
1964	123,845	218,515	4,258	5,029	3,869	62
1963	126,199	221,537	4,329	5,178	3,979	69
1962	122,989	226,393	4,398	5,370	4,135	60
1961	120,543	240,172	4,646	5,639	4,357	71
1960	121,163	241,099	4,525	5,921	4,557	76
1959	119,206	246,615	4,666	6,145	4,725	71
1958	118,360	249,810	4,901	6,360	4,918	86
1957	118,734	254,997	4,977	6,240	4,785	78
1956	114,578	248,019	4,861	6,086	4,667	90
1955	113,458	242,591	4,939	5,962	4,649	94
1954	108,783	245,521	4,931	6,123	4,686	103
1953	112,574	239,206	4,321	6,147	4,640	132
1952	111,156	239,964	4,584	6,273	4,589	147
1951	111,426	235,074	4,596	6,117	4,618	151
1950	110,212	221,635	4,418	6,126	4,578	170

TABLE C-2
RATES* FOR DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL, AND MATERNAL DEATHS: PENNSYLVANIA AND UNITED STATES, 1950-1990

	TOTAL DEATH RATE		LIVE BIRTH RATE		FETAL DEATH RATE		INFANT DEATH RATE		NEONATAL DEATH RATE		MATERNAL DEATH RATE	
YEAR	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.
1990	10.2	8.6**	14.4	16.7**	16.8	***	9.5	9.1**	6.3	5.7**	0.6	0.8**
1989	10.2	8.7**	14.0	16.3	16.3	***	10.1	9.7**	7.0	6.3**	0.8	0.6**
1988	10.4	8.8	13.8	15.9	18.9	***	9.8	10.0	6.6	6.3	0.5	0.8
1987	10.5	8.7	13.6	15.7	19.4	***	10.2	10.1	7.2	6.5	0.5	0.7
1986	10.4	8.7	13.5	15.6	18.5	***	10.2	10.4	6.8	6.7	0.9	0.7
1985	10.4	8.7	13.5	15.8	18.5	***	10.8	10.6	7.5	7.0	0.7	0.8
1984	10.2	8.6	13.2	15.5	19.6	***	10.4	10.8	7.2	7.0	0.8	0.8
1983	10.2	8.6	13.3	15.5	19.9	***	11.2	11.2	7.8	7.3	0.6	0.8
1982	10.0	8.5	13.6	15.9	19.4	***	11.5	11.5	8.2	7.7	0.5	0.8
1981	10.1	8.6	13.5	15.8	18.8	***	11.9	11.9	8.5	8.0	0.4	0.9
1980	10.4	8.8	13.4	15.9	21.3	***	13.2	12.6	9.6	8.5	0.8	0.9
1979	10.0	8.5	13.4	15.6	22.4	***	13.4	13.1	9.8	8.9	0.8	1.0
1978	10.2	8.7	12.9	15.0	25.9	***	13.4	13.8	10.2	9.5	1.3	1.0
1977	10.0	8.6	13.0	15.1	25.8	***	13.9	14.1	10.4	9.9	1.2	1.1
1976	10.2	8.8	12.5	14.6	28.5	***	15.4	15.2	11.8	10.9	1.8	1.2
1975	10.2	8.8	12.6	14.6	25.2	***	16.3	16.1	12.5	11.6	0.7	1.3
1974	10.4	9.1	12.8	14.8	28.1	***	17.1	16.7	13.3	12.3	0.7	1.5
1973	10.6	9.3	12.9	14.8	26.9	***	17.0	17.7	12.9	13.0	1.4	1.5
1972	10.7	9.4	13.7	15.6	22.6	***	17.9	18.5	13.8	13.6	1.2	1.9
1971	10.7	9.3	15.1	17.2	22.0	***	18.3	19.1	14.1	14.2	2.0	1.9
1970	10.7	9.5	16.3	18.4	22.9	***	20.2	20.0	15.8	15.1	2.1	2.2
1969	10.7	9.5	15.7	17.9	19.4	***	20.9	20.9	16.2	15.6	2.0	2.2
1968	11.1	9.7	15.8	17.6	18.7	***	21.6	21.8	17.0	16.1	1.8	2.5
1967	10.8	9.4	16.2	17.8	18.7	***	22.0	22.4	17.3	16.5	2.5	2.8
1966	10.9	9.5	16.8	18.4	18.9	***	22.1	23.7	17.1	17.2	2.5	2.9
1965	10.9	9.4	17.7	19.4	18.9	***	23.2	24.7	17.6	17.7	2.2	3.2
1964	10.8	9.4	19.1	21.1	19.1	***	23.0	24.8	17.7	17.9	2.8	3.3
1963	11.0	9.6	19.4	21.7	19.2	***	23.4	25.2	17.5	18.2	3.1	3.6
1962	10.8	9.5	19.9	22.4	19.1	***	23.7	25.3	18.2	18.3	2.7	3.5
1961	10.5	9.3	20.9	23.3	19.0	***	23.5	25.3	18.1	18.4	3.0	3.7
1960	10.7	9.5	21.3	23.7	18.4	***	24.6	26.0	18.9	18.7	3.2	3.7
1959	10.5	9.4	21.8	24.2	18.6	***	24.9	26.4	19.2	19.0	2.9	3.7
1958	10.7	9.5	22.5	24.5	19.2	***	25.5	27.1	19.7	19.5	3.4	3.8
1957	10.6	9.6	22.8	25.3	19.1	***	24.5	26.3	18.8	19.1	3.1	4.1
1956	10.3	9.4	22.3	25.2	19.2	***	24.5	26.0	18.8	18.9	3.6	4.1
1955	10.2	9.3	21.8	25.0	20.0	***	24.6	26.4	19.2	19.1	3.9	4.7
1954	10.0	9.2	22.5	25.3	19.7	***	24.9	26.6	19.1	19.1	4.2	5.2
1953	10.4	9.6	22.1	25.1	17.7	***	25.7	27.8	19.4	19.6	5.5	6.1
1952	10.4	9.6	22.4	25.1	18.7	***	26.1	28.4	19.1	19.8	6.1	6.8
1951	10.5	9.7	22.2	24.9	19.2	***	26.0	28.4	19.6	20.0	6.4	7.5
1950	10.5	9.6	21.1	24.1	19.5	***	27.6	29.2	20.6	20.5	7.7	8.3

* TOTAL DEATH AND LIVE BIRTH RATES PER 1,000 POPULATION.
FETAL DEATH RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).
INFANT AND NEONATAL DEATH RATE PER 1,000 LIVE BIRTHS.
MATERNAL DEATH RATE PER 10,000 LIVE BIRTHS.
** PROVISIONAL DATA.
***COMPARABLE UNITED STATES FETAL DEATH RATES ARE NOT AVAILABLE.

FIGURE C-1
CRUDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

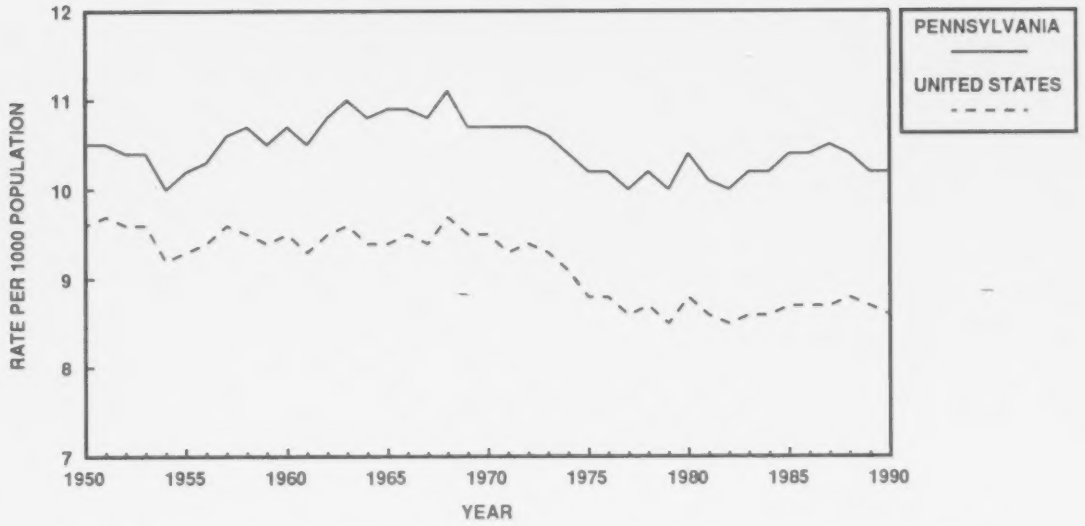


FIGURE C-2
INFANT AND NEONATAL DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

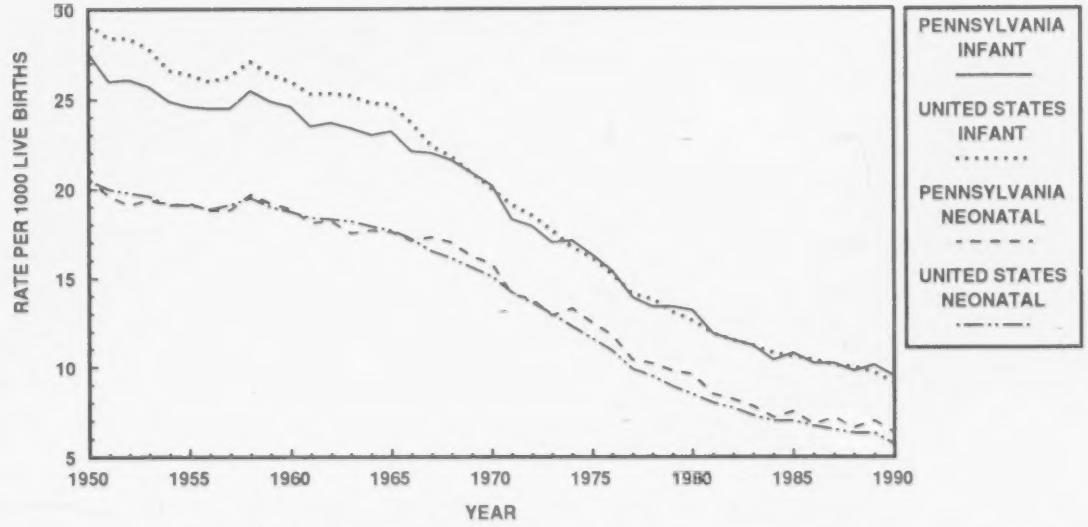


TABLE C-3
RESIDENT DEATHS BY AGE GROUP, NUMBER AND RATE*:
PENNSYLVANIA, 1990, 1980, 1970, 1960, 1950, 1940

AGE GROUP (IN YEARS)	1990		1980		1970		1960		1950		1940	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	121,081	10.2	123,233	10.4	126,564	10.7	121,163	10.7	110,212	10.5	111,977	11.3
UNDER 5	1,914	2.4	2,435	3.3	4,430	4.8	6,746	5.7	7,107	6.9	8,745	12.0
5-9	164	0.2	222	0.3	468	0.4	482	0.4	459	0.5	792	1.0
10-14	164	0.2	229	0.2	424	0.4	378	0.4	392	0.5	833	0.9
15-19	538	0.7	879	0.8	945	0.9	588	0.7	645	0.9	1,359	1.4
20-24	785	0.9	1,251	1.2	1,104	1.3	620	1.0	961	1.2	1,832	2.0
25-29	1,048	1.1	1,058	1.1	863	1.2	674	1.0	1,187	1.4	2,068	2.5
30-34	1,328	1.3	1,069	1.3	934	1.5	1,026	1.3	1,499	1.8	2,346	3.1
35-39	1,478	1.6	1,154	1.7	1,398	2.2	1,809	2.2	2,109	2.6	2,925	4.2
40-44	1,870	2.3	1,573	2.7	2,625	3.5	2,829	3.6	3,244	4.5	4,001	6.1
45-49	2,409	3.7	2,714	4.5	4,372	5.6	4,464	6.0	4,632	7.3	5,854	9.2
50-54	3,191	5.7	4,868	7.0	6,630	9.0	6,354	9.8	6,514	10.9	7,809	13.9
55-59	5,092	9.2	7,826	11.0	9,412	14.3	8,488	14.9	9,235	17.2	9,320	20.5
60-64	8,991	14.8	11,226	17.7	12,115	21.6	11,863	24.1	11,760	26.0	11,150	30.3
65-69	12,893	21.8	14,379	26.8	14,393	32.6	15,255	35.4	13,617	37.6	12,688	44.4
70-74	16,270	33.9	16,533	40.6	16,871	48.3	17,124	52.6	14,282	57.5	13,129	66.4
75-79	18,619	51.5	17,174	60.9	18,313	74.3	16,437	79.8	13,466	86.9	11,917	105.0
80-84	17,390	79.6	16,393	93.7	15,772	109.5	13,483	127.4	10,565	128.3	8,803	157.1
85+ **	26,337	153.3	22,250	171.2	15,495	169.2	12,543	206.5	8,538	217.1	6,406	260.8

* RATE PER 1,000 POPULATION IN EACH AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

FIGURE C-3
RESIDENT DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1940, 1950, 1960, 1970, 1980, AND 1990

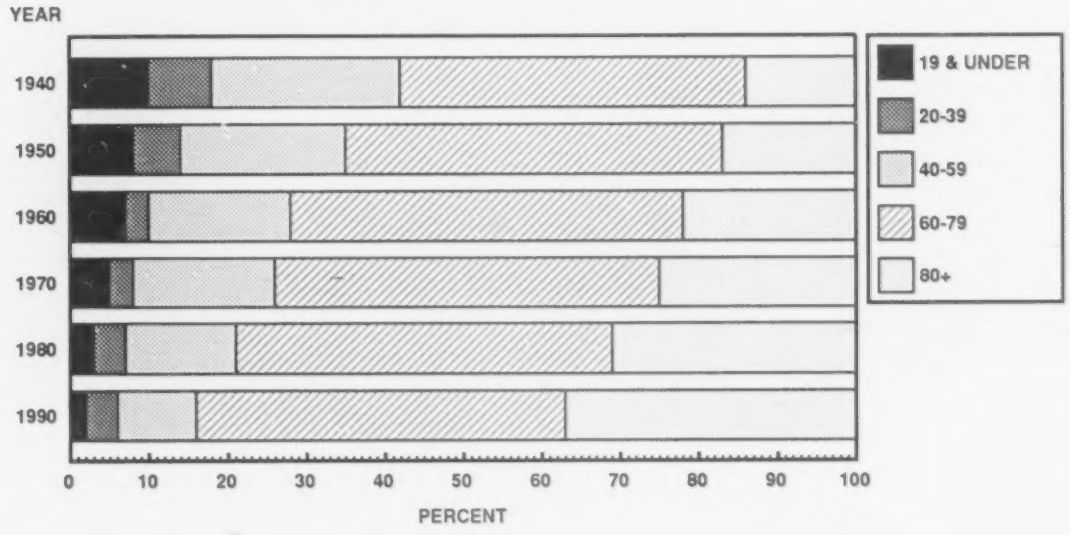


TABLE C-4A
RESIDENT DEATHS BY AGE AND SEX
TOTAL NUMBER AND RATE*: PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	TOTAL		MALE **		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	121,081	10.2	60,730	10.7	60,351	9.8
UNDER 5	1,914	2.4	1,115	2.7	799	2.1
5-9	164	0.2	105	0.3	59	0.2
10-14	164	0.2	117	0.3	47	0.1
15-19	538	0.7	415	1.0	123	0.3
20-24	785	0.9	594	1.4	191	0.4
25-29	1,048	1.1	769	1.7	279	0.6
30-34	1,328	1.3	930	1.9	398	0.8
35-39	1,478	1.6	1,009	2.2	469	1.0
40-44	1,870	2.3	1,198	3.0	672	1.6
45-49	2,409	3.7	1,496	4.7	913	2.7
50-54	3,191	5.7	1,972	7.4	1,219	4.2
55-59	5,092	9.2	3,037	11.7	2,055	7.0
60-64	8,991	14.8	5,407	19.3	3,584	10.9
65-69	12,893	21.8	7,592	29.2	5,301	16.1
70-74	16,270	33.9	9,056	45.4	7,214	25.8
75-79	18,619	51.5	9,547	69.4	9,072	40.5
80-84	17,990	79.6	7,947	105.9	10,043	66.5
85+ ***	26,337	153.3	8,424	183.8	17,913	142.2

* RATE PER 1,000 POPULATION FOR EACH SPECIFIED AGE GROUP AND SEX, 1990.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INLCUDED IN THE 85+ AGE GROUP.

TABLE C-4B
RESIDENT DEATHS BY AGE AND SEX - WHITE RACE
NUMBER AND RATE*: PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	TOTAL		MALE **		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	109,310	10.4	54,435	10.8	54,875	10.0
UNDER 5	1,301	1.9	784	2.3	517	1.6
5-9	135	0.2	86	0.2	49	0.1
10-14	133	0.2	93	0.3	40	0.1
15-19	421	0.6	312	0.9	109	0.3
20-24	601	0.8	453	1.2	148	0.4
25-29	770	1.0	563	1.4	207	0.5
30-34	1,007	1.2	711	1.6	296	0.7
35-39	1,129	1.4	777	1.9	352	0.9
40-44	1,444	2.0	921	2.5	523	1.4
45-49	1,945	3.3	1,207	4.2	738	2.4
50-54	2,613	5.2	1,625	6.7	988	3.8
55-59	4,291	8.6	2,560	10.8	1,731	6.6
60-64	7,889	14.1	4,775	18.5	3,114	10.4
65-69	11,483	21.0	6,792	28.1	4,691	15.4
70-74	14,949	33.4	8,371	44.7	6,578	25.2
75-79	17,343	51.2	8,926	69.0	8,417	40.3
80-84	16,932	79.6	7,526	106.5	9,406	66.3
85+ ***	24,924	154.6	7,953	186.4	16,971	143.1

* RATE PER 1,000 WHITE POPULATION FOR EACH SPECIFIED AGE GROUP AND SEX, 1990.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.
NOTE: UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

TABLE C-4C
RESIDENT DEATHS BY AGE AND SEX - BLACK RACE
NUMBER AND RATE*: PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	TOTAL		MALE **		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	11,445	10.5	6,116	12.0	5,329	9.2
UNDER 5	587	6.0	317	6.4	270	5.6
5-9	26	0.3	17	0.4	9	0.2
10-14	29	0.3	22	0.5	7	0.2
15-19	110	1.2	97	2.2	13	0.3
20-24	177	2.0	138	3.1	39	0.8
25-29	267	2.9	199	4.5	68	1.4
30-34	314	3.3	218	5.0	96	1.9
35-39	337	4.1	223	5.9	114	2.6
40-44	412	6.0	271	8.6	141	3.8
45-49	455	8.6	286	12.2	169	5.7
50-54	558	12.0	337	16.5	221	8.4
55-59	777	17.6	461	24.4	316	12.5
60-64	1,079	24.4	619	32.9	460	18.1
65-69	1,379	33.6	779	45.0	600	25.2
70-74	1,284	43.9	663	58.3	621	34.7
75-79	1,239	58.7	601	80.8	638	46.7
80-84	1,030	83.1	409	103.1	621	73.7
85+ ***	1,385	138.8	459	157.4	926	131.2

* RATE PER 1,000 BLACK POPULATION FOR EACH SPECIFIED AGE GROUP AND SEX, 1990.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

TABLE C-4D
RESIDENT DEATHS BY AGE AND SEX - HISPANIC ORIGIN
NUMBER AND RATE*: PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	TOTAL		MALE **		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	915	3.9	573	4.9	342	3.0
UNDER 5	79	2.9	47	3.4	32	2.4
5-9	6	0.3	4	0.3	2	0.2
10-14	3	0.1	2	0.2	1	0.1
15-19	17	0.8	14	1.2	3	0.3
20-24	33	1.4	26	2.1	7	0.6
25-29	46	2.0	37	3.2	9	0.8
30-34	50	2.4	34	3.2	16	1.6
35-39	55	3.3	44	5.2	11	1.3
40-44	29	2.1	21	3.1	8	1.2
45-49	38	3.9	23	4.7	15	3.1
50-54	36	4.8	22	6.0	14	3.7
55-59	74	11.9	52	17.2	22	6.9
60-64	68	13.3	43	17.6	25	9.4
65-69	81	20.0	50	27.9	31	13.7
70-74	74	25.6	43	35.7	31	18.4
75-79	80	38.9	43	53.4	37	29.6
80-84	51	40.7	25	51.0	26	34.0
85+ ***	95	106.3	43	123.9	52	95.1

* RATE PER 1,000 HISPANIC POPULATION FOR EACH SPECIFIED AGE GROUP AND SEX, 1990.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.
NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

TABLE C-5
AGE-ADJUSTED DEATH RATES* BY SEX,
PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1990

	PENNSYLVANIA			UNITED STATES		
YEAR	TOTAL	MALE**	FEMALE	TOTAL	MALE	FEMALE
1990	5.2	6.8	4.0	5.2***	6.7***	3.9***
1989	5.3	7.0	4.0	5.2***	6.8***	4.0***
1988	5.5	7.2	4.1	5.4	7.0	4.0
1987	5.6	7.3	4.2	5.4	7.0	4.0
1986	5.5	7.2	4.2	5.4	7.1	4.1
1985	5.6	7.3	4.2	5.5	7.2	4.1
1984	5.6	7.4	4.2	5.5	7.2	4.1
1983	5.6	7.4	4.3	5.5	7.2	4.1
1982	5.7	7.5	4.2	5.6	7.3	4.1
1981	5.8	7.7	4.4	5.7	7.5	4.2
1980	6.1	8.1	4.6	5.9	7.8	4.3
1979	6.0	8.0	4.4	5.8	7.7	4.2
1978	6.2	8.2	4.6	6.0	7.9	4.4
1977	6.3	8.4	4.7	6.0	8.0	4.4
1976	6.5	8.6	4.8	6.2	8.2	4.6
1975	6.5	8.7	4.8	6.3	8.4	4.6
1974	6.8	9.0	5.0	6.6	8.7	4.9
1973	7.1	9.4	5.3	6.9	9.1	5.1
1972	7.2	9.5	5.4	7.0	9.2	5.2
1971	7.3	9.5	5.5	7.0	9.1	5.2
1970	7.5	9.6	5.7	7.1	9.3	5.3
1960	8.1	10.1	6.4	7.6	9.5	5.9
1950	8.9	10.5	7.5	8.4	10.0	6.9

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***PROVISIONAL.

FIGURE C-4
AGE-ADJUSTED DEATH RATES BY SEX
PENNSYLVANIA AND UNITED STATES, 1970-1990

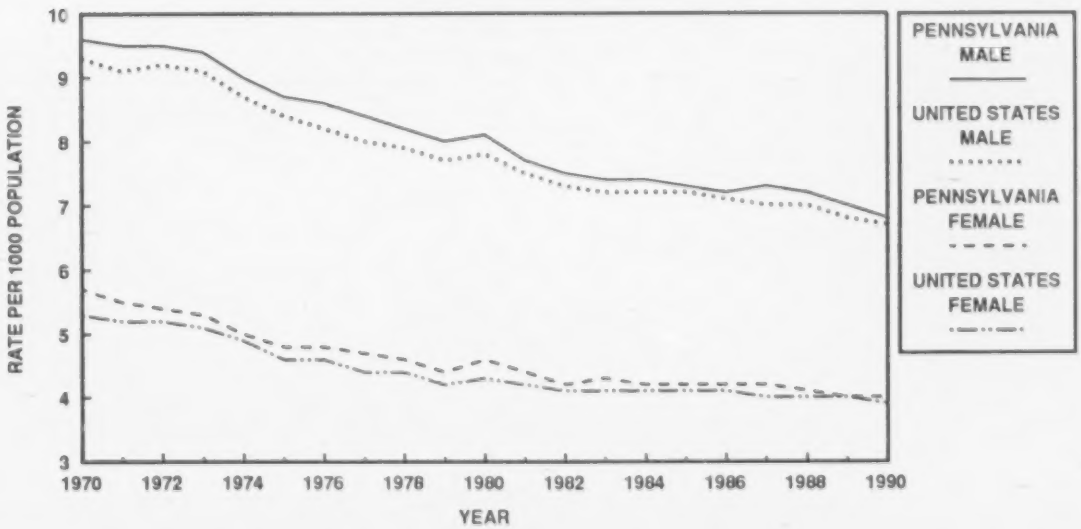


TABLE C-6
AGE-ADJUSTED DEATH RATES* BY RACE,
PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1990

	PENNSYLVANIA			UNITED STATES		
YEAR	ALL RACES	WHITE**	ALL OTHER RACES	ALL RACES	WHITE	ALL OTHER RACES
1990	5.2	4.9	7.4	5.2***	4.9***	6.3***
1989	5.3	5.0	8.0	5.2***	5.0***	6.7***
1988	5.5	5.2	8.0	5.4	5.1	6.9
1987	5.6	5.3	8.1	5.4	5.1	6.9
1986	5.5	5.3	7.7	5.4	5.2	6.9
1985	5.6	5.3	7.9	5.5	5.2	7.0
1984	5.6	5.4	7.7	5.5	5.2	7.0
1983	5.6	5.4	7.7	5.5	5.3	7.0
1982	5.7	5.5	7.8	5.6	5.3	7.0
1981	5.8	5.6	8.0	5.7	5.4	7.3
1980	6.1	5.9	8.5	5.9	5.6	7.7
1979	6.0	5.8	8.2	5.8	5.5	7.6
1978	6.2	5.9	8.7	6.0	5.7	7.8
1977	6.3	6.0	9.1	6.0	5.8	8.0
1976	6.5	6.2	9.0	6.2	5.9	8.2
1975	6.5	6.3	9.2	6.3	6.0	8.4
1974	6.8	6.5	9.8	6.6	6.3	8.9
1973	7.1	6.8	10.2	6.9	6.5	9.4
1972	7.2	6.9	10.7	7.0	6.6	9.6
1971	7.3	7.0	10.7	7.0	6.6	9.6
1970	7.5	7.1	10.9	7.1	6.8	9.8
1960	8.1	7.9	10.6	7.6	7.3	10.5
1950	8.9	8.7	13.2	8.4	8.0	12.3

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***PROVISIONAL.

FIGURE C-5
AGE-ADJUSTED DEATH RATES BY RACE
PENNSYLVANIA AND UNITED STATES, 1970-1990

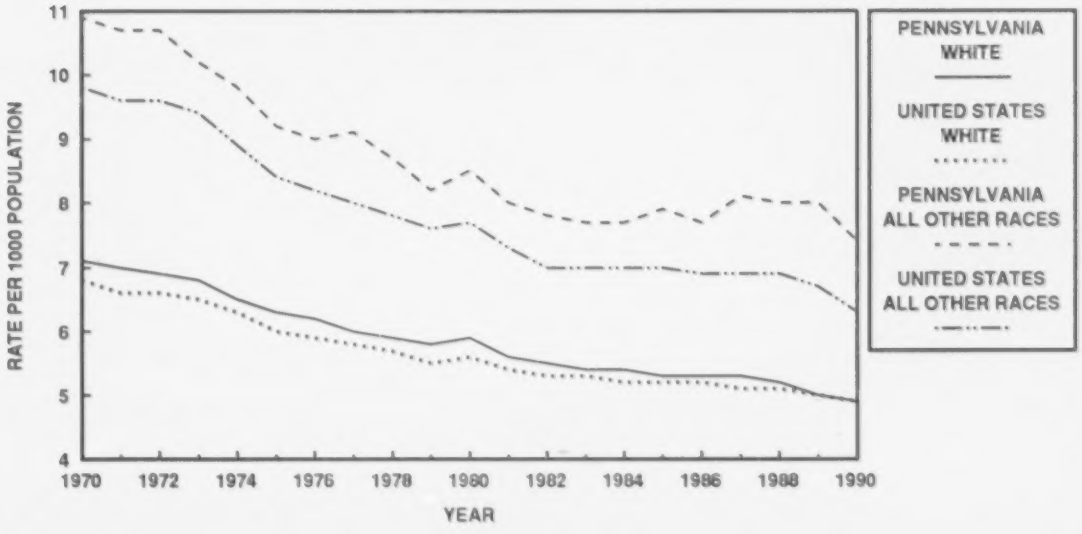


TABLE C-7A
INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY RACE AND HISPANIC ORIGIN
PENNSYLVANIA RESIDENTS, 1980-1990

	INFANT DEATHS				NEONATAL DEATHS				POSTNEONATAL DEATHS			
YEAR	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN
1990	1,627	1,091	512	65	1,077	719	343	41	550	372	169	24
1989	1,696	1,099	572	66	1,171	784	370	41	525	315	202	25
1988	1,615	1,090	511	***	1,092	747	338	***	523	343	173	***
1987	1,654	1,100	546	***	1,164	790	368	***	490	310	178	***
1986	1,628	1,154	464	***	1,084	764	312	***	544	390	152	***
1985	1,734	1,276	447	***	1,201	896	295	***	533	380	152	***
1984	1,634	1,186	432	***	1,129	822	297	***	505	364	135	***
1983	1,764	1,325	422	***	1,229	932	286	***	535	393	136	***
1982	1,853	1,413	429	***	1,320	1,024	291	***	533	389	138	***
1981	1,902	1,465	431	***	1,357	1,059	296	***	545	406	135	***
1980	2,095	1,620	457	***	1,529	1,204	313	***	566	416	144	***

TABLE C-7B
INFANT, NEONATAL, AND POSTNEONATAL DEATH RATES** BY RACE AND HISPANIC ORIGIN
PENNSYLVANIA RESIDENTS, 1980-1990

	INFANT DEATHS				NEONATAL DEATHS				POSTNEONATAL DEATHS			
YEAR	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN	ALL RACES	WHITE*	BLACK	HISPANIC ORIGIN
1990	9.5	7.6	20.1	11.6	6.3	5.0	13.5	7.3	3.2	2.6	6.6	4.3
1989	10.1	7.8	22.8	12.6	7.0	5.6	14.8	7.8	3.1	2.2	8.1	4.8
1988	9.8	7.9	21.4	***	6.6	5.4	14.1	***	3.2	2.5	7.2	***
1987	10.2	8.0	23.9	***	7.2	5.8	16.1	***	3.0	2.3	7.8	***
1986	10.2	8.5	21.1	***	6.8	5.6	14.2	***	3.4	2.9	6.9	***
1985	10.8	9.3	21.4	***	7.5	6.5	14.2	***	3.3	2.8	7.3	***
1984	10.4	8.7	22.7	***	7.2	6.0	15.6	***	3.2	2.7	7.1	***
1983	11.2	9.7	21.9	***	7.8	6.8	14.8	***	3.4	2.9	7.1	***
1982	11.5	10.1	21.9	***	8.2	7.3	14.9	***	3.3	2.8	7.0	***
1981	11.9	10.5	22.3	***	8.5	7.6	15.3	***	3.4	2.9	7.0	***
1980	13.2	11.7	24.2	***	9.6	8.7	16.6	***	3.6	3.0	7.6	***

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** RATE PER 1,000 LIVE BIRTHS.
***HISPANIC ORIGIN DATA WERE NOT COLLECTED PRIOR TO 1989.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.

FIGURE C-6A
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL
DEATH RATES, PENNSYLVANIA, 1980-1990

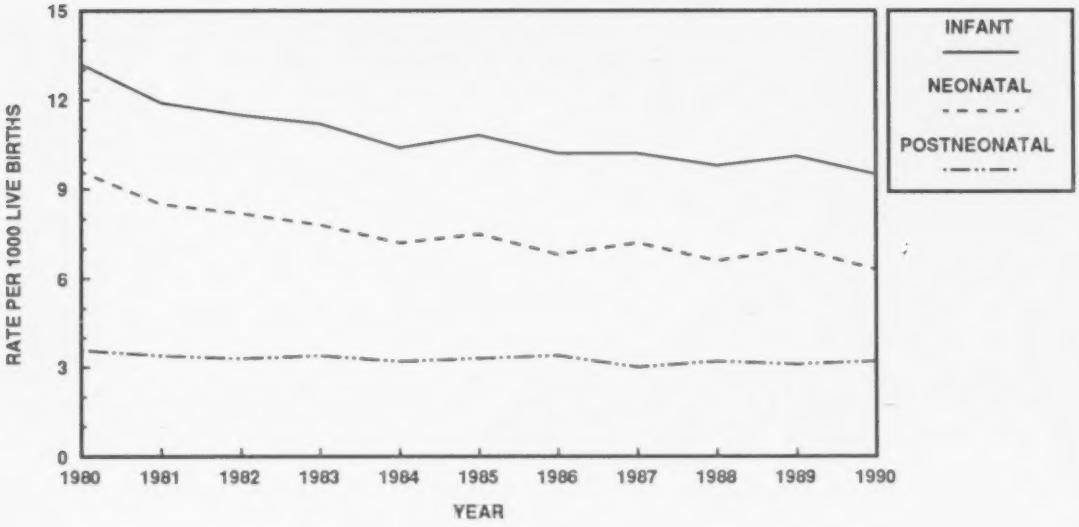


FIGURE C-6B
RESIDENT INFANT DEATH RATES BY RACE
PENNSYLVANIA, 1980-1990

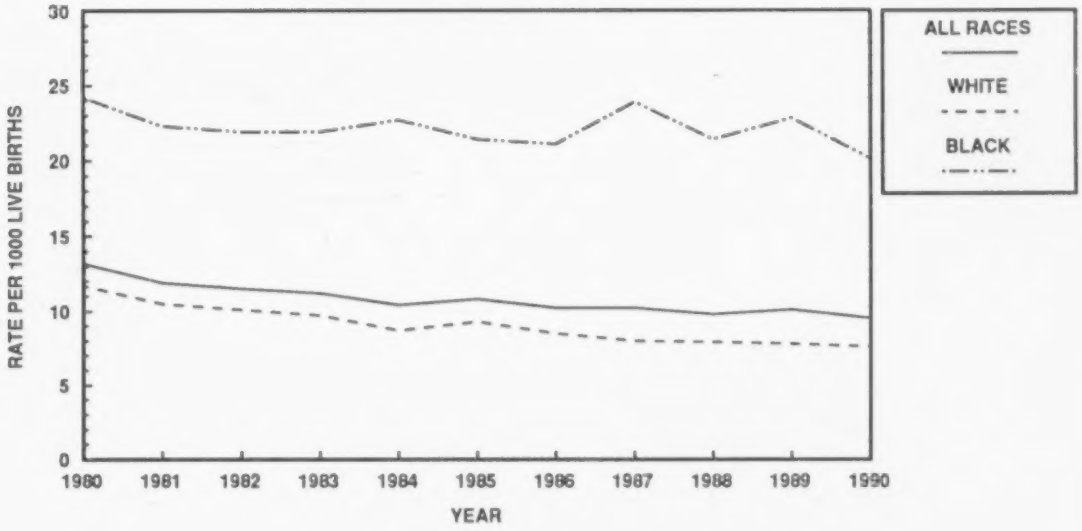
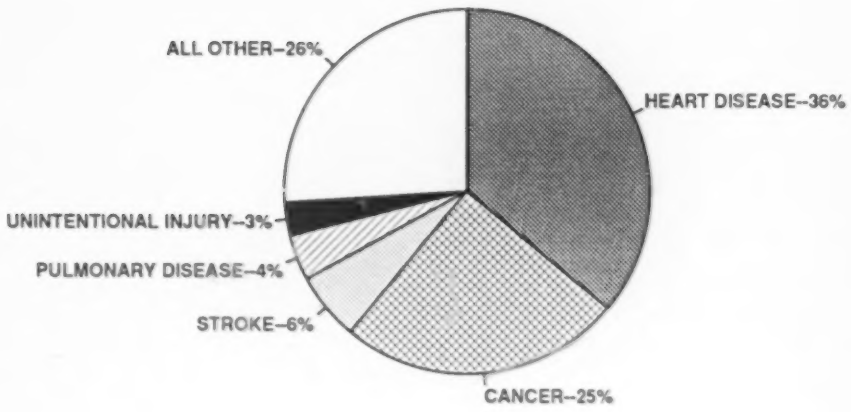


TABLE C-8
LEADING CAUSES OF DEATH,
PENNSYLVANIA RESIDENTS, 1990, 1980, 1970, 1960, 1950, 1940

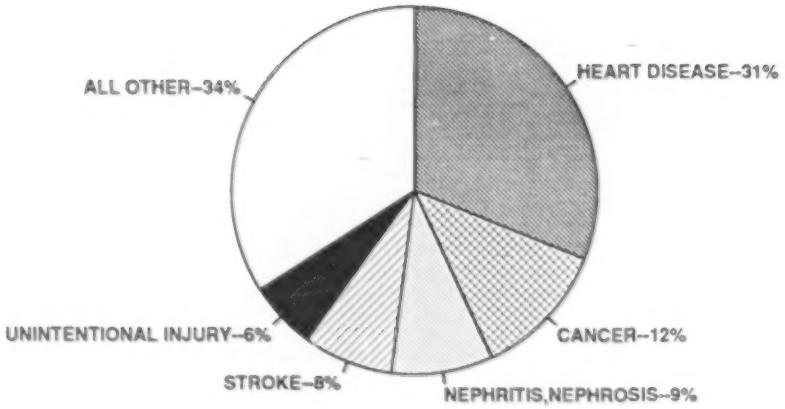
CAUSE OF DEATH*	1990		1980		1970		1960		1950		1940	
	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	121,081		123,233		126,564		121,163		110,212		111,977	
HEART DISEASE	43,204	1	50,677	1	52,476	1	51,431	1	43,793	1	34,333	1
NEOPLASMS, MALIGNANT	29,677	2	26,040	2	22,013	2	19,612	2	16,326	2	13,055	2
CEREBROVASCULAR DIS.	7,678	3	9,539	3	12,573	3	12,632	3	11,043	3	8,857	4
CHRONIC OBSTRUCTIVE PULMONARY DIS.	4,487	4	3,263	5	**		**		**		**	
UNINTENTIONAL INJURIES	4,001	5	4,586	4	5,336	4	4,866	4	5,697	4	7,206	5
PNEUMONIA AND INFLUENZA	3,876	6	2,869	6	3,466	5	3,889	5	3,116	6	6,712	6
DIABETES MELLITUS	3,082	7	2,599	7	2,819	6	2,779	8	2,418	10	3,617	9
SEPTICEMIA	1,705	8	803		215		121		42		**	
SUICIDE	1,446	9	1,317	10	1,337	10	1,099		1,001		1,312	
NEPHRITIS AND NEPHROSIS	1,398	10	1,109		530		938		2,498	8	9,728	3
LIVER DISEASE AND CIRRHOSIS	1,232		1,625	9	1,846	9	1,321	9	1,099		950	
PERINATAL CONDITIONS	824		1,194		2,391	7	3,820	6	3,835	5	3,679	8
ATHEROSCLEROSIS	756		1,837	8	2,320	8	2,899	7	2,723	7	**	
CONGENITAL ANOMALIES	577		661		984		1,266	10	1,177		1,119	
TUBERCULOSIS, ALL FORMS	74		123		414		902		2,474	9	4,252	7
SYPHILIS AND SEQUELAE	6		9		36		242		402		1,325	10
ALL OTHER	17,058		15,785		18,023		13,466		12,603		15,788	

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975. THE ICD CODES USED FOR SYPHILIS AND SEQUELAE WERE 090-097. SEE TECHNICAL NOTES FOR ALL OTHER CAUSE OF DEATH ICD CODES.
**DATA NOT AVAILABLE.

FIGURE C-7
RESIDENT DEATHS, PERCENT BY FIVE LEADING CAUSES
PENNSYLVANIA, 1990 AND 1940



1990



1940

TABLE C-9
MEDIAN AGE AT DEATH BY RACE AND SEX
PENNSYLVANIA RESIDENTS, 1980-1990

	MEDIAN AGE AT DEATH								
	ALL RACES			WHITE*			BLACK		
YEAR	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
1990	75.7	72.6	78.8	76.3	73.4	79.4	67.2	63.8	71.1
1989	75.5	72.4	78.8	76.2	73.1	79.4	67.3	63.8	71.1
1988	75.3	72.3	78.6	75.9	72.9	79.2	67.6	64.6	71.7
1987	74.9	71.9	78.3	75.6	72.5	78.8	67.5	64.9	71.0
1986	74.8	71.9	78.0	75.4	72.5	78.6	67.6	64.9	70.9
1985	74.6	71.5	78.0	75.2	72.1	78.6	67.1	64.6	70.6
1984	74.3	71.4	77.6	74.8	71.9	78.2	67.6	65.2	70.5
1983	74.1	71.1	77.4	74.6	71.6	78.0	67.3	64.7	69.9
1982	73.6	70.7	77.1	74.2	71.2	77.7	66.5	63.9	69.5
1981	73.3	70.4	76.7	73.9	70.9	77.3	66.2	63.4	69.4
1980	73.2	70.3	76.8	73.8	70.8	77.4	65.5	63.4	68.5

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-8
MEDIAN AGE AT DEATH BY RACE AND SEX
PENNSYLVANIA RESIDENTS, 1980-1990

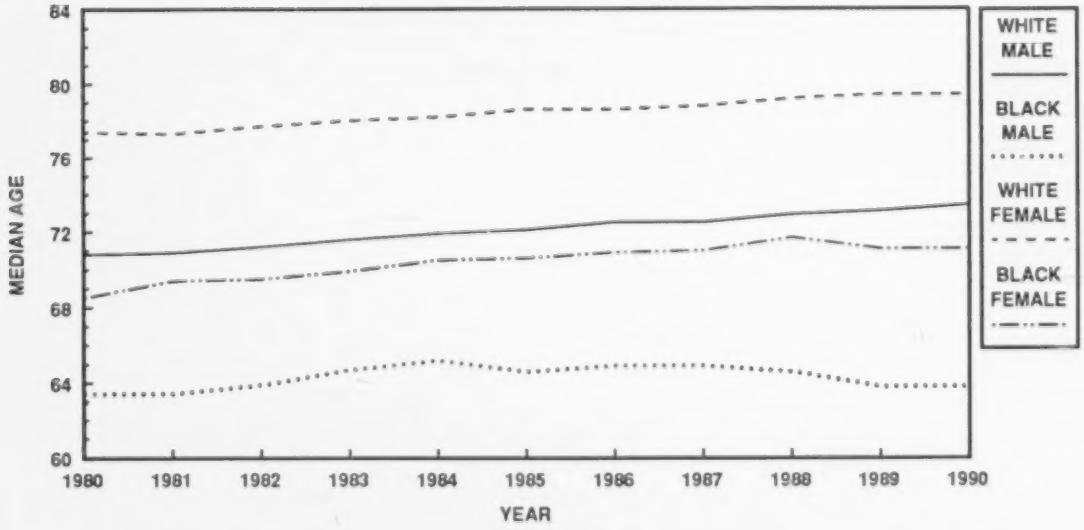


TABLE C-10
MEDIAN AGE AT DEATH FOR SELECTED LEADING CAUSES BY RACE AND SEX
PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	MEDIAN AGE AT DEATH								
	ALL RACES			WHITE*			BLACK		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL CAUSES	75.7	72.6	78.8	76.3	73.4	79.4	67.2	63.8	71.1
HEART DISEASE	78.3	74.5	81.9	78.7	74.9	82.3	71.8	68.2	75.7
MALIGNANT NEOPLASMS	71.6	71.1	72.2	71.9	71.4	72.6	67.7	67.9	67.5
CEREBROVASCULAR DISEASE	80.7	77.6	82.6	81.1	78.2	83.2	73.0	69.4	75.2
CHRONIC OBSTR. PULM. DIS.	75.7	75.6	75.8	76.0	75.9	76.2	70.1	70.7	67.8
UNINTENTIONAL INJURIES	47.3	39.7	68.6	49.2	40.4	70.5	39.8	37.7	49.2
NON-MOTOR VEHICLE	64.1	51.5	77.6	67.6	55.1	78.9	45.2	41.5	60.8
MOTOR VEHICLE	33.9	32.2	41.4	34.7	32.5	42.7	27.3	26.0	30.8
PNEUMONIA & INFLUENZA	83.4	80.8	85.9	83.8	81.3	86.2	75.7	71.7	79.3
DIABETES MELLITUS	74.8	72.0	76.4	75.3	72.5	76.9	69.9	65.6	71.8
SEPTICEMIA	79.3	75.6	82.0	80.2	76.1	82.5	75.1	72.7	76.9
SUICIDE	41.8	41.3	43.9	42.8	42.0	44.9	35.1	34.0	39.0
NEPHRITIS, NEPHROSIS, ETC.	79.1	77.6	80.6	80.1	78.0	81.6	70.9	65.8	74.8
LIVER DISEASE & CIRRHOSIS	64.4	62.8	67.5	65.9	64.0	69.2	54.2	53.4	54.9
AORTIC ANEURYSM	76.2	74.4	78.9	76.2	74.6	79.2	76.0	68.5	78.8
HOMICIDE & LEGAL INTERV.	29.5	29.0	31.6	31.8	31.4	33.4	28.4	28.0	28.9
ATHEROSCLEROSIS	85.2	81.7	87.3	85.6	82.3	87.7	83.0	75.6	84.1
HIV INFECTION	37.2	37.5	34.1	37.5	38.2	34.1	36.5	36.8	34.1
PNEUMOCONIOSIS	78.0	78.0	-	78.1	78.1	-	-	-	-

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: MEDIAN AGE FOR CATEGORIES WITH 10 DEATHS OR LESS ARE NOT CALCULATED AND ARE INDICATED WITH A DASH (-).

FIGURE C-9
VITAL EVENTS SUMMARY CHART

THE FOLLOWING FIGURES REPRESENT AN AVERAGE DAY OF VITAL EVENTS IN 1990 FOR PENNSYLVANIA RESIDENTS:

POPULATION AS OF APRIL 1, 1990	11,881,643

	NUMBER PER DAY
LIVE BIRTHS	469
DEATHS	332
ABORTIONS	134
MARRIAGES*	233
DIVORCES*	110

BY AGE AT DEATH	NUMBER PER DAY
LESS THAN 28 DAYS	3
28-364 DAYS	2
1-19 YEARS	3
20-34 YEARS	9
35-49 YEARS	16
50-64 YEARS	47
65-74 YEARS	80
75 AND OVER	172

BY CAUSE OF DEATH**	NUMBER PER DAY
HEART DISEASE	118
CANCER	81
CEREBROVASCULAR DISEASE	21
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	12
UNINTENTIONAL INJURIES	11
MOTOR VEHICLE	5
NON-MOTOR VEHICLE	6
PNEUMONIA AND INFLUENZA	11
DIABETES MELLITUS	8
SEPTICEMIA	5
SUICIDE	4
NEPHRITIS, NEPHROSIS, ETC.	4
LIVER DISEASE & CIRRHOSIS	3
AORTIC ANEURYSM	3
ALL OTHER CAUSES	50

* FIGURES FOR MARRIAGES AND DIVORCES ARE OCCURRENCE DATA.
** COLUMN DOES NOT EQUAL TOTAL DEATHS PER DAY DUE TO ROUNDING.

TABLE C-11A
SELECTED CAUSES OF DEATH BY AGE GROUP
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**
ALL CAUSES	121,081		1,914		1,651		5,724		19,683		65,772		26,337	
HEART DISEASE	43,204	1	44	4	50	5	686	3	6,040	2	24,414	1	11,970	1
MALIGNANT NEOPLASMS	29,677	2	24	7	124	4	1,043	2	7,463	1	17,985	2	3,038	2
CEREBROVASCULAR DISEASE	7,678	3	4		4		141	8	730	3	4,270	3	2,529	3
CHRONIC OBSTR. PULM. DIS.	4,487	4	1		13	9	46		583	5	3,185	4	659	5
UNINTENTIONAL INJURIES	4,001	5	125	3	713	1	1,077	1	624	4	1,022	7	440	8
NON-MOTOR VEHICLE	2,243		93		184		516		353		704		393	
MOTOR VEHICLE	1,758		32		529		561		271		318		47	
PNEUMONIA & INFLUENZA	3,876	6	40	5	15	8	67	10	252	9	1,794	6	1,708	4
DIABETES MELLITUS	3,082	7	0		8		105	9	579	6	1,876	5	514	6
SEPTICEMIA	1,705	8	22	8	10	10	41		185	10	936	8	511	7
SUICIDE	1,446	9	0		221	3	568	4	340	8	290		27	
NEPHRITIS, NEPHROSIS, ETC.	1,398	10	4		6		34		136		819	9	399	9
LIVER DISEASE & CIRRHOSIS	1,232		1		2		167	7	463	7	554		45	
AORTIC ANEURYSM	962		0		1		10		113		669	10	169	
PERINATAL CONDITIONS	824		824	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	824		36	6	246	2	400	6	91		44		7	
ATHEROSCLEROSIS	756		1		0		2		40		325		388	10
HIV INFECTION	750		4		22	7	548	5	158		17		1	
CONGENITAL ANOMALIES	577		377	2	40	6	49		47		54		10	
PNEUMOCONIOSIS	492		0		0		1		35		370		86	
BENIGN/UNSPEC. NEOPLASMS	446		7	10	10	10	36		57		264		72	
PARKINSONS DISEASE	384		0		0		1		10		269		104	
HYPERTENSION	374		0		0		11		48		200		115	
HERNIA/INTESTINAL OBSTR.	341		4		3		7		24		175		128	
ULCERS OF STOMACH/DUODENUM	292		0		1		6		32		171		82	
ANEMIAS	268		5		5		14		27		134		83	
GALL BLADDER DISORDERS	195		0		0		3		16		111		65	
NUTRITIONAL DEFICIENCIES	189		1		2		4		12		77		93	
DISEASES OF PANCREAS	153		1		1		14		38		77		22	
ALCOHOLISM	131		0		0		22		75		32		2	
MULTIPLE SCLEROSIS	109		0		1		14		53		39		2	
EPILEPSY	83		1		8		32		12		25		5	
VENOUS EMBOLISM & THROMB.	79		0		1		4		18		48		8	
TUBERCULOSIS	74		0		1		5		18		41		9	
MENINGITIS	36		8	9	2		8		4		12		2	
INFECTIONS OF KIDNEY	35		0		0		1		5		20		9	
ALL OTHER CAUSES	10,921		380		141		557		1,355		5,453		3,035	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
**RANK

TABLE C-11B
SELECTED CAUSES OF DEATH BY AGE GROUP - MALES*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER***	
	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**
ALL CAUSES	60,730		1,115		1,231		3,906		11,912		34,142		8,424	
HEART DISEASE	20,957	1	20	6	29	5	474	3	4,200	1	12,751	1	3,483	1
MALIGNANT NEOPLASMS	15,334	2	16	7	83	4	471	4	3,921	2	9,573	2	1,270	2
CEREBROVASCULAR DISEASE	3,054	3	3		2		72	8	395	4	1,905	3	677	3
CHRONIC OBSTR. PULM. DIS.	2,562	5	1		8	8	26		339	5	1,834	4	354	5
UNINTENTIONAL INJURIES	2,636	4	82	3	537	1	852	1	436	3	554	7	175	6
NON-MOTOR VEHICLE	1,398		59		143		425		250		375		146	
MOTOR VEHICLE	1,238		23		394		427		186		179		29	
PNEUMONIA & INFLUENZA	1,766	6	29	4	7	9	41	10	158	9	956	5	575	4
DIABETES MELLITUS	1,233	7	0		4		55	9	298	7	751	6	125	9
SEPTICEMIA	758	10	11	8	4		24		110		461	8	148	8
SUICIDE	1,173	8	0		200	3	448	5	268	8	235		22	
NEPHRITIS, NEPHROSIS, ETC.	656		2		2		22		66		406	10	158	7
LIVER DISEASE & CIRRHOSIS	793	9	0		1		113	7	330	6	332		17	
AORTIC ANEURYSM	604		0		1		8		82		434	9	79	
PERINATAL CONDITIONS	458		458	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	636		23	5	206	2	311	6	67		25		4	
ATHEROSCLEROSIS	296		1		0		2		27		157		109	10
HIV INFECTION	682		3		17	7	505	2	146	10	11		0	
CONGENITAL ANOMALIES	320		216	2	25	6	25		22		29		3	
PNEUMOCONIOSIS	487		0		0		1		35		366		85	
BENIGN/UNSPEC. NEOPLASMS	206		6	9	4		19		32		123		22	
PARKINSONS DISEASE	238		0		0		0		6		186		46	
HYPERTENSION	149		0		0		9		32		80		28	
HERNIA/INTESTINAL OBSTR.	120		4	10	2		5		8		75		26	
ULCERS OF STOMACH/DUODENUM	136		0		1		4		23		78		30	
ANEMIAS	103		3		2		6		10		52		30	
GALL BLADDER DISORDERS	81		0		0		2		10		54		15	
NUTRITIONAL DEFICIENCIES	64		1		0		1		8		30		24	
DISEASES OF PANCREAS	79		1		0		13		27		33		5	
ALCOHOLISM	107		0		0		18		62		25		2	
MULTIPLE SCLEROSIS	30		0		1		3		16		10		0	
EPILEPSY	45		0		6	10	18		7		13		1	
VENOUS EMBOLISM & THROMB.	31		0		0		1		10		18		2	
TUBERCULOSIS	55		0		0		3		14		30		8	
MENINGITIS	12		2		1		3		2		4		0	
INFECTIONS OF KIDNEY	8		0		0		1		0		7		0	
ALL OTHER CAUSES	4,861		233		88		350		745		2,544		901	

* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
** RANK
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-11C
SELECTED CAUSES OF DEATH BY AGE GROUP - FEMALES
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**
ALL CAUSES	60,351		799		420		1,818		7,771		31,630		17,913	
HEART DISEASE	22,247	1	24	4	21	4	212	3	1,840	2	11,663	1	8,487	1
MALIGNANT NEOPLASMS	14,343	2	8	8	41	2	572	1	3,542	1	8,412	2	1,768	3
CEREBROVASCULAR DISEASE	4,624	3	1		2		69	6	335	3	2,365	3	1,852	2
CHRONIC OBSTR. PULM. DIS.	1,925	5	0		5	10	20		244	5	1,351	4	305	7
UNINTENTIONAL INJURIES	1,365	7	43	3	176	1	225	2	188	6	468	8	265	9
NON-MOTOR VEHICLE	845		34		41		91		103		329		247	
MOTOR VEHICLE	520		9		135		134		85		139		18	
PNEUMONIA & INFLUENZA	2,110	4	11	6	8	7	26	10	94	8	838	6	1,133	4
DIABETES MELLITUS	1,849	6	0		4		50	8	281	4	1,125	5	389	5
SEPTICEMIA	947	8	11	6	6	8	17		75	9	475	7	363	6
SUICIDE	273		0		21	4	120	4	72	10	55		5	
NEPHRITIS, NEPHROSIS, ETC.	742	9	2	10	4		12		70		413	9	241	10
LIVER DISEASE & CIRRHOSIS	439		1		1		54	7	133	7	222		28	
AORTIC ANEURYSM	358		0		0		2		31		235	10	90	
PERINATAL CONDITIONS	366		366	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	188		13	5	40	3	89	5	24		19		3	
ATHEROSCLEROSIS	460	10	0		0		0		13		168		279	8
HIV INFECTION	68		1		5	10	43	9	12		6		1	
CONGENITAL ANOMALIES	257		161	2	15	6	24		25		25		7	
PNEUMOCONIOSIS	5		0		0		0		0		4		1	
BENIGN/UNSPEC. NEOPLASMS	240		1		6	8	17		25		141		50	
PARKINSONS DISEASE	146		0		0		1		4		83		58	
HYPERTENSION	225		0		0		2		16		120		87	
HERNIA/INTESTINAL OBSTR.	221		0		1		2		16		100		102	
ULCERS OF STOMACH/DUODENUM	156		0		0		2		9		93		52	
ANEMIAS	165		2	10	3		8		17		82		53	
GALL BLADDER DISORDERS	114		0		0		1		6		57		50	
NUTRITIONAL DEFICIENCIES	125		0		2		3		4		47		69	
DISEASES OF PANCREAS	74		0		1		1		11		44		17	
ALCOHOLISM	24		0		0		4		13		7		0	
MULTIPLE SCLEROSIS	79		0		0		11		37		29		2	
EPILEPSY	38		1		2		14		5		12		4	
VENOUS EMBOLISM & THROMB.	48		0		1		3		8		30		6	
TUBERCULOSIS	19		0		1		2		4		11		1	
MENINGITIS	24		6	9	1		5		2		8		2	
INFECTIONS OF KIDNEY	27		0		0		0		5		13		9	
ALL OTHER CAUSES	6,060		147		53		207		610		2,909		2,134	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
**RANK

TABLE C-11D
SELECTED CAUSES OF DEATH BY AGE GROUP - WHITE RACE*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER***	
	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**
ALL CAUSES	109,310		1,301		1,290		4,350		16,738		60,707		24,924	
HEART DISEASE	40,064	1	31	4	32	5	558	3	5,218	2	22,794	1	11,431	1
MALIGNANT NEOPLASMS	26,869	2	21	6	112	3	886	2	6,499	1	16,503	2	2,848	2
CEREBROVASCULAR DISEASE	6,983	3	2		4		101	8	559	3	3,908	3	2,409	3
CHRONIC OBSTR. PULM. DIS.	4,213	4	0		9	9	27		513	5	3,027	4	637	5
UNINTENTIONAL INJURIES	3,498	6	88	3	624	1	914	1	527	4	939	7	406	8
NON-MOTOR VEHICLE	1,887		63		149		405		273		638		359	
MOTOR VEHICLE	1,611		25		475		509		254		301		47	
PNEUMONIA & INFLUENZA	3,554	5	26	5	12	7	44	10	195	9	1,648	6	1,629	4
DIABETES MELLITUS	2,775	7	0		8		85	9	484	6	1,712	5	486	6
SEPTICEMIA	1,426	8	16	8	6		20		136	10	799	8	449	7
SUICIDE	1,337	9	0		205	2	504	4	325	8	276		27	
NEPHRITIS, NEPHROSIS, ETC.	1,208	10	2		6		15		90		721	9	374	9
LIVER DISEASE & CIRRHOSIS	1,072		1		2		124	7	380	7	521		44	
AORTIC ANEURYSM	909		0		0		9		103		639	10	158	
PERINATAL CONDITIONS	505		505	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	332		21	6	84	4	144	6	50		29		4	
ATHEROSCLEROSIS	698		1		0		2		31		298		366	10
HIV INFECTION	480		2		11	8	351	5	103		13		0	
CONGENITAL ANOMALIES	491		313	2	32	5	43		45		48		10	
PNEUMOCONIOSIS	487		0		0		0		33		368		86	
BENIGN/UNSPEC. NEOPLASMS	405		7	9	9	9	32		49		239		69	
PARKINSONS DISEASE	372		0		0		1		10		258		103	
HYPERTENSION	319		0		0		8		36		175		100	
HERNIA/INTESTINAL OBSTR.	307		3		2		2		20		160		120	
ULCERS OF STOMACH/DUODENUM	272		0		1		3		25		163		80	
ANEMIAS	226		1		2		6		21		121		75	
GALL BLADDER DISORDERS	188		0		0		2		15		109		62	
NUTRITIONAL DEFICIENCIES	162		1		2		3		10		64		82	
DISEASES OF PANCREAS	135		0		1		10		34		68		22	
ALCOHOLISM	89		0		0		12		47		28		2	
MULTIPLE SCLEROSIS	104		0		1		12		50		39		2	
EPILEPSY	67		0		8		26		9		21		3	
VENOUS EMBOLISM & THROMB.	71		0		0		3		15		46		7	
TUBERCULOSIS	50		0		0		3		9		30		8	
MENINGITIS	25		4	10	2		5		2		11		1	
INFECTIONS OF KIDNEY	34		0		0		1		4		20		9	
ALL OTHER CAUSES	9,583		256		115		394		1,091		4,912		2,815	

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** RANK
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-11E
SELECTED CAUSES OF DEATH BY AGE GROUP - BLACK RACE
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1990

CAUSE OF DEATH	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**	NUMBER	**
ALL CAUSES	11,445		587		342		1,330		2,869		4,932		1,385	
HEART DISEASE	3,074	1	12	5	18	3	125	5	808	2	1,582	1	529	1
MALIGNANT NEOPLASMS	2,737	2	3	9	12	4	149	4	933	1	1,452	2	188	2
CEREBROVASCULAR DISEASE	678	3	2	10	0		38	8	166	3	354	3	118	3
CHRONIC OBSTR. PULM. DIS.	270	10	1		4	8	18		69	7	157	5	21	9
UNINTENTIONAL INJURIES	475	5	37	3	81	2	153	3	92	5	79	9	33	6
NON-MOTOR VEHICLE	347		30		33		110		77		64		33	
MOTOR VEHICLE	128		7		48		43		15		15		0	
PNEUMONIA & INFLUENZA	310	6	12	5	3	9	23	9	56	8	138	6	78	4
DIABETES MELLITUS	305	8	0		0		20		95	4	163	4	27	7
SEPTICEMIA	272	9	6	7	3	9	21	10	47	10	133	7	62	5
SUICIDE	96		0		11	5	59	6	15		11		0	
NEPHRITIS, NEPHROSIS, ETC.	187		2	10	0		19		46		95	8	25	8
LIVER DISEASE & CIRRHOSIS	156		0		0		42	7	82	6	31	10	1	
AORTIC ANEURYSM	52		0		1		1		10		29		11	
PERINATAL CONDITIONS	310	6	310	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	481	4	15	4	159	1	249	1	41		14		3	
ATHEROSCLEROSIS	55		0		0		0		8		27		20	10
HIV INFECTION	268		2	10	11	5	196	2	54	9	4		1	
CONGENITAL ANOMALIES	75		54	2	7	7	6		2		6		0	
PNEUMOCONIOSIS	5		0		0		1		2		2		0	
BENIGN/UNSPEC. NEOPLASMS	38		0		1		4		6		24		3	
PARKINSONS DISEASE	11		0		0		0		0		10		1	
HYPERTENSION	54		0		0		3		12		24		15	
HERNIA/INTESTINAL OBSTR.	33		1		1		5		3		15		8	
ULCERS OF STOMACH/DUODENUM	19		0		0		3		7		7		2	
ANEMIAS	37		2	10	3	9	8		5		11		8	
GALL BLADDER DISORDERS	7		0		0		1		1		2		3	
NUTRITIONAL DEFICIENCIES	25		0		0		0		2		13		10	
DISEASES OF PANCREAS	18		1		0		4		4		9		0	
ALCOHOLISM	41		0		0		10		27		4		0	
MULTIPLE SCLEROSIS	5		0		0		2		3		0		0	
EPILEPSY	16		1		0		6		3		4		2	
VENOUS EMBOLISM & THROMB.	8		0		1		1		3		2		1	
TUBERCULOSIS	20		0		1		2		8		9		0	
MENINGITIS	11		4	8	0		3		2		1		1	
INFECTIONS OF KIDNEY	1		0		0		0		1		0		0	
ALL OTHER CAUSES	1,295		122		25		158		256		520		214	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
**RANK

TABLE C-12A
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP, PENNSYLVANIA, 1990

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	1,019.1	240.1	51.2	156.5	829.2	3,968.7	15,326.8
HEART DISEASE	363.6	5.5	1.6	18.8	254.5	1,473.1	6,965.9
MALIGNANT NEOPLASMS	249.8	3.0	3.8	28.5	314.4	1,085.2	1,768.0
CEREBROVASCULAR DISEASE	64.6	0.5	0.1	3.9	30.8	257.7	1,471.8
CHRONIC OBSTR. PULM. DIS.	37.8	0.1	0.4	1.3	24.6	192.2	383.5
UNINTENTIONAL INJURIES	33.7	15.7	22.1	29.4	26.3	61.7	256.1
NON-MOTOR VEHICLE	18.9	11.7	5.7	14.1	14.9	42.5	228.7
MOTOR VEHICLE	14.8	4.0	16.4	15.3	11.4	19.2	27.4
PNEUMONIA & INFLUENZA	32.6	5.0	0.5	1.8	10.6	108.3	994.0
DIABETES MELLITUS	25.9	-	0.2	2.9	24.4	113.2	299.1
SEPTICEMIA	14.3	2.8	0.3	1.1	7.8	56.5	297.4
SUICIDE	12.2	-	6.9	15.5	14.3	17.5	15.7
NEPHRITIS, NEPHROSIS, ETC.	11.8	0.5	0.2	0.9	5.7	49.4	232.2
LIVER DISEASE & CIRRHOSIS	10.4	0.1	0.1	4.6	19.5	33.4	26.2
AORTIC ANEURYSM	8.1	-	0.0	0.3	4.8	40.4	98.3
PERINATAL CONDITIONS	6.9	103.4	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	6.9	4.5	7.6	10.9	3.8	2.7	4.1
ATHEROSCLEROSIS	6.4	0.1	-	0.1	1.7	19.6	225.8
HIV INFECTION	6.3	0.5	0.7	15.0	6.7	1.0	0.6
CONGENITAL ANOMALIES	4.9	47.3	1.2	1.3	2.0	3.3	5.8
PNEUMOCONIOSIS	4.1	-	-	0.0	1.5	22.3	50.0
BENIGN/UNSPEC. NEOPLASMS	3.8	0.9	0.3	1.0	2.4	15.9	41.9
PARKINSONS DISEASE	3.2	-	-	0.0	0.4	16.2	60.5
HYPERTENSION	3.1	-	-	0.3	2.0	12.1	66.9
HERNIA/INTESTINAL OBSTR.	2.9	0.5	0.1	0.2	1.0	10.6	74.5
ULCERS OF STOMACH/DUODENUM	2.5	-	0.0	0.2	1.3	10.3	47.7
ANEMIAS	2.3	0.6	0.2	0.4	1.1	8.1	48.3
GALL BLADDER DISORDERS	1.6	-	-	0.1	0.7	6.7	37.8
NUTRITIONAL DEFICIENCIES	1.6	0.1	0.1	0.1	0.5	4.6	54.1
DISEASES OF PANCREAS	1.3	0.1	0.0	0.4	1.6	4.6	12.8
ALCOHOLISM	1.1	-	-	0.6	3.2	1.9	1.2
MULTIPLE SCLEROSIS	0.9	-	0.0	0.4	2.2	2.4	1.2
EPILEPSY	0.7	0.1	0.2	0.9	0.5	1.5	2.9
VENOUS EMBOLISM & THROMB.	0.7	-	0.0	0.1	0.8	2.9	4.7
TUBERCULOSIS	0.6	-	0.0	0.1	0.8	2.5	5.2
MENINGITIS	0.3	1.0	0.1	0.2	0.2	0.7	1.2
INFECTIONS OF KIDNEY	0.3	-	-	0.0	0.2	1.2	5.2
ALL OTHER CAUSES	91.9	47.7	4.4	15.2	57.1	329.0	1,766.2

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AGE GROUP, 1990.
**UNKNOWN AGES AT DEATH INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-128
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - MALES**, PENNSYLVANIA, 1990

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,066.5	272.5	75.2	216.5	1,058.4	5,076.7	18,377.0
HEART DISEASE	368.0	4.9	1.8	26.3	373.2	1,896.0	7,598.2
MALIGNANT NEOPLASMS	269.3	3.9	5.1	26.1	348.4	1,423.4	2,770.5
CEREBROVASCULAR DISEASE	53.6	0.7	0.1	4.0	35.1	283.3	1,476.9
CHRONIC OBSTR. PULM. DIS.	45.0	0.2	0.5	1.4	30.1	272.7	772.3
UNINTENTIONAL INJURIES	46.3	20.0	32.8	47.2	38.7	82.4	381.8
NON-MOTOR VEHICLE	24.6	14.4	8.7	23.6	22.2	55.8	318.5
MOTOR VEHICLE	21.7	5.6	24.1	23.7	16.5	26.6	63.3
PNEUMONIA & INFLUENZA	31.0	7.1	0.4	2.3	14.0	142.2	1,254.4
DIABETES MELLITUS	21.7	-	0.2	3.0	26.5	111.7	272.7
SEPTICEMIA	13.3	2.7	0.2	1.3	9.8	68.5	322.9
SUICIDE	20.6	-	12.2	24.8	23.8	34.9	48.0
NEPHRITIS, NEPHROSIS, ETC.	11.5	0.5	0.1	1.2	5.9	60.4	344.7
LIVER DISEASE & CIRRHOSIS	13.9	-	0.1	6.3	29.3	49.4	37.1
AORTIC ANEURYSM	10.6	-	0.1	0.4	7.3	64.5	172.3
PERINATAL CONDITIONS	8.0	111.9	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	11.2	5.6	12.6	17.2	6.0	3.7	8.7
ATHEROSCLEROSIS	5.2	0.2	-	0.1	2.4	23.3	237.8
HIV INFECTION	12.0	0.7	1.0	28.0	13.0	1.6	-
CONGENITAL ANOMALIES	5.6	52.8	1.5	1.4	2.0	4.3	6.5
PNEUMOCONIOSIS	8.6	-	-	0.1	3.1	54.4	185.4
BENIGN/UNSPEC. NEOPLASMS	3.6	1.5	0.2	1.1	2.8	18.3	48.0
PARKINSONS DISEASE	4.2	-	-	-	0.5	27.7	100.3
HYPERTENSION	2.6	-	-	0.5	2.8	11.9	61.1
HERNIA/INTESTINAL OBSTR.	2.1	1.0	0.1	0.3	0.7	11.2	56.7
ULCERS OF STOMACH/DUODENUM	2.4	-	0.1	0.2	2.0	11.6	65.4
ANEMIAS	1.8	0.7	0.1	0.3	0.9	7.7	65.4
GALL BLADDER DISORDERS	1.4	-	-	0.1	0.9	8.0	32.7
NUTRITIONAL DEFICIENCIES	1.1	0.2	-	0.1	0.7	4.5	52.4
DISEASES OF PANCREAS	1.4	0.2	-	0.7	2.4	4.9	10.9
ALCOHOLISM	1.9	-	-	1.0	5.5	3.7	4.4
MULTIPLE SCLEROSIS	0.5	-	0.1	0.2	1.4	1.5	-
EPILEPSY	0.8	-	0.4	1.0	0.6	1.9	2.2
VENOUS EMBOLISM & THROMB.	0.5	-	-	0.1	0.9	2.7	4.4
TUBERCULOSIS	1.0	-	-	0.2	1.2	4.5	17.5
MENINGITIS	0.2	0.5	0.1	0.2	0.2	0.6	-
INFECTIONS OF KIDNEY	0.1	-	-	0.1	-	1.0	-
ALL OTHER CAUSES	85.4	56.9	5.4	19.4	66.2	378.3	1,965.5

* RATE PER 100,000 MALE POPULATION FOR EACH SPECIFIED AGE GROUP, 1990.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-12C
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - FEMALES, PENNSYLVANIA, 1990

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	975.4	206.0	26.5	98.1	622.6	3,212.0	14,217.1
HEART DISEASE	359.6	6.2	1.3	11.4	147.4	1,184.4	6,735.9
MALIGNANT NEOPLASMS	231.8	2.1	2.6	30.9	283.8	854.2	1,403.2
CEREBROVASCULAR DISEASE	74.7	0.3	0.1	3.7	26.8	240.2	1,469.9
CHRONIC OBSTR. PULM. DIS.	31.1	-	0.3	1.1	19.5	137.2	242.1
UNINTENTIONAL INJURIES	22.1	11.1	11.1	12.1	15.1	47.5	210.3
NON-MOTOR VEHICLE	13.7	8.8	2.6	4.9	8.3	33.4	196.0
MOTOR VEHICLE	8.4	2.3	8.5	7.2	6.8	14.1	14.3
PNEUMONIA & INFLUENZA	34.1	2.8	0.5	1.4	7.5	85.1	899.2
DIABETES MELLITUS	29.9	-	0.3	2.7	22.5	114.2	308.7
SEPTICEMIA	15.3	2.8	0.4	0.9	6.0	48.2	288.1
SUICIDE	4.4	-	1.3	6.5	5.8	5.6	4.0
NEPHRITIS, NEPHROSIS, ETC.	12.0	0.5	0.3	0.6	5.6	41.9	191.3
LIVER DISEASE & CIRRHOSIS	7.1	0.3	0.1	2.9	10.7	22.5	22.2
AORTIC ANEURYSM	5.8	-	-	0.1	2.5	23.9	71.4
PERINATAL CONDITIONS	5.9	94.3	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	3.0	3.4	2.5	4.8	1.9	1.9	2.4
ATHEROSCLEROSIS	7.4	-	-	-	1.0	17.1	221.4
HIV INFECTION	1.1	0.3	0.3	2.3	1.0	0.6	0.8
CONGENITAL ANOMALIES	4.2	41.5	0.9	1.3	2.0	2.5	5.6
PNEUMOCONIOSIS	0.1	-	-	-	-	0.4	0.8
BENIGN/UNSPEC. NEOPLASMS	3.9	0.3	0.4	0.9	2.0	14.3	39.7
PARKINSONS DISEASE	2.4	-	-	0.1	0.3	8.4	46.0
HYPERTENSION	3.6	-	-	0.1	1.3	12.2	69.0
HERNIA/INTESTINAL OBSTR.	3.6	-	0.1	0.1	1.3	10.2	81.0
ULCERS OF STOMACH/DUODENUM	2.5	-	-	0.1	0.7	9.4	41.3
ANEMIAS	2.7	0.5	0.2	0.4	1.4	8.3	42.1
GALL BLADDER DISORDERS	1.8	-	-	0.1	0.5	5.8	39.7
NUTRITIONAL DEFICIENCIES	2.0	-	0.1	0.2	0.3	4.8	54.8
DISEASES OF PANCREAS	1.2	-	0.1	0.1	0.9	4.5	13.5
ALCOHOLISM	0.4	-	-	0.2	1.0	0.7	-
MULTIPLE SCLEROSIS	1.3	-	-	0.6	3.0	2.9	1.6
EPILEPSY	0.6	0.3	0.1	0.8	0.4	1.2	3.2
VENOUS EMBOLISM & THROMB.	0.8	-	0.1	0.2	0.6	3.0	4.8
TUBERCULOSIS	0.3	-	0.1	0.1	0.3	1.1	0.8
MENINGITIS	0.4	1.5	0.1	0.3	0.2	0.8	1.6
INFECTIONS OF KIDNEY	0.4	-	-	-	0.4	1.3	7.1
ALL OTHER CAUSES	97.9	37.9	3.3	11.2	48.9	295.4	1,693.7

* RATE PER 100,000 FEMALE POPULATION FOR EACH SPECIFIED AGE GROUP, 1990.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-12D
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - WHITE RACE**, PENNSYLVANIA, 1990

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,039.0	194.0	46.6	134.7	778.6	3,930.9	15,455.8
HEART DISEASE	380.8	4.6	1.2	17.3	242.7	1,475.9	7,088.6
MALIGNANT NEOPLASMS	255.4	3.1	4.1	27.4	302.3	1,068.6	1,766.1
CEREBROVASCULAR DISEASE	66.4	0.3	0.1	3.1	26.0	253.0	1,493.9
CHRONIC OBSTR. PULM. DIS.	40.0	-	0.3	0.8	23.9	196.0	395.0
UNINTENTIONAL INJURIES	33.3	13.1	22.6	28.3	24.5	60.8	251.8
NON-MOTOR VEHICLE	17.9	9.4	5.4	12.5	12.7	41.3	222.6
MOTOR VEHICLE	15.3	3.7	17.2	15.8	11.8	19.5	29.1
PNEUMONIA & INFLUENZA	33.8	3.9	0.4	1.4	9.1	106.7	1,010.2
DIABETES MELLITUS	26.4	-	0.3	2.6	22.5	110.9	301.4
SEPTICEMIA	13.6	2.4	0.2	0.6	6.3	51.7	278.4
SUICIDE	12.7	-	7.4	15.6	15.1	17.9	16.7
NEPHRITIS, NEPHROSIS, ETC.	11.5	0.3	0.2	0.5	4.2	46.7	231.9
LIVER DISEASE & CIRRHOSIS	10.2	0.1	0.1	3.8	17.7	33.7	27.3
AORTIC ANEURYSM	8.6	-	-	0.3	4.8	41.4	98.0
PERINATAL CONDITIONS	4.8	75.3	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	3.2	3.1	3.0	4.5	2.3	1.9	2.5
ATHEROSCLEROSIS	6.6	0.1	-	0.1	1.4	19.3	227.0
HIV INFECTION	4.6	0.3	0.4	10.9	4.8	0.8	-
CONGENITAL ANOMALIES	4.7	46.7	1.2	1.3	2.1	3.1	6.2
PNEUMOCONIOSIS	4.6	-	-	-	1.5	23.8	53.3
BENIGN/UNSPEC. NEOPLASMS	3.8	1.0	0.3	1.0	2.3	15.5	42.8
PARKINSONS DISEASE	3.5	-	-	0.0	0.5	16.7	63.9
HYPERTENSION	3.0	-	-	0.2	1.7	11.3	62.0
HERNIA/INTESTINAL OBSTR.	2.9	0.4	0.1	0.1	0.9	10.4	74.4
ULCERS OF STOMACH/DUODENUM	2.6	-	0.0	0.1	1.2	10.6	49.6
ANEMIAS	2.1	0.1	0.1	0.2	1.0	7.8	46.5
GALL BLADDER DISORDERS	1.8	-	-	0.1	0.7	7.1	38.4
NUTRITIONAL DEFICIENCIES	1.5	0.1	0.1	0.1	0.5	4.1	50.8
DISEASES OF PANCREAS	1.3	-	0.0	0.3	1.6	4.4	13.6
ALCOHOLISM	0.8	-	-	0.4	2.2	1.8	1.2
MULTIPLE SCLEROSIS	1.0	-	0.0	0.4	2.3	2.5	1.2
EPILEPSY	0.6	-	0.3	0.8	0.4	1.4	1.9
VENOUS EMBOLISM & THROMB.	0.7	-	-	0.1	0.7	3.0	4.3
TUBERCULOSIS	0.5	-	-	0.1	0.4	1.9	5.0
MENINGITIS	0.2	0.6	0.1	0.2	0.1	0.7	0.6
INFECTIONS OF KIDNEY	0.3	-	-	0.0	0.2	1.3	5.6
ALL OTHER CAUSES	91.1	38.2	4.2	12.2	50.7	318.1	1,745.6

* RATE PER 100,000 WHITE POPULATION FOR EACH SPECIFIED AGE GROUP, 1990.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-12E
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - BLACK RACE, PENNSYLVANIA, 1990

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	1,050.2	601.4	97.2	392.7	1,527.6	4,749.0	13,883.3
HEART DISEASE	282.1	12.3	5.1	36.9	430.2	1,523.3	5,302.7
MALIGNANT NEOPLASMS	251.1	3.1	3.4	44.0	496.8	1,398.1	1,884.5
CEREBROVASCULAR DISEASE	62.2	2.0	-	11.2	88.4	340.9	1,182.8
CHRONIC OBSTR. PULM. DIS.	24.8	1.0	1.1	5.3	36.7	151.2	210.5
UNINTENTIONAL INJURIES	43.6	37.9	23.0	45.2	49.0	76.1	330.8
NON-MOTOR VEHICLE	31.8	30.7	9.4	32.5	41.0	61.6	330.8
MOTOR VEHICLE	11.7	7.2	13.6	12.7	8.0	14.4	-
PNEUMONIA & INFLUENZA	28.4	12.3	0.9	6.8	29.8	132.9	781.9
DIABETES MELLITUS	28.0	-	-	5.9	50.6	157.0	270.6
SEPTICEMIA	25.0	6.1	0.9	6.2	25.0	128.1	621.5
SUICIDE	8.8	-	3.1	17.4	8.0	10.6	-
NEPHRITIS, NEPHROSIS, ETC.	17.2	2.0	-	5.6	24.5	91.5	250.6
LIVER DISEASE & CIRRHOSIS	14.3	-	-	12.4	43.7	29.8	10.0
AORTIC ANEURYSM	4.8	-	0.3	0.3	5.3	27.9	110.3
PERINATAL CONDITIONS	28.4	317.6	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	44.1	15.4	45.2	73.5	21.8	13.5	30.1
ATHEROSCLEROSIS	5.0	-	-	-	4.3	26.0	200.5
HIV INFECTION	24.6	2.0	3.1	57.9	28.8	3.9	10.0
CONGENITAL ANOMALIES	6.9	55.3	2.0	1.8	1.1	5.8	-
PNEUMOCONIOSIS	0.5	-	-	0.3	1.1	1.9	-
BENIGN/UNSPEC. NEOPLASMS	3.5	-	0.3	1.2	3.2	23.1	30.1
PARKINSONS DISEASE	1.0	-	-	-	-	9.6	10.0
HYPERTENSION	5.0	-	-	0.9	6.4	23.1	150.4
HERNIA/INTESTINAL OBSTR.	3.0	1.0	0.3	1.5	1.6	14.4	80.2
ULCERS OF STOMACH/DUODENUM	1.7	-	-	0.9	3.7	6.7	20.0
ANEMIAS	3.4	2.0	0.9	2.4	2.7	10.6	80.2
GALL BLADDER DISORDERS	0.6	-	-	0.3	0.5	1.9	30.1
NUTRITIONAL DEFICIENCIES	2.3	-	-	-	1.1	12.5	100.2
DISEASES OF PANCREAS	1.7	1.0	-	1.2	2.1	8.7	-
ALCOHOLISM	3.8	-	-	3.0	14.4	3.9	-
MULTIPLE SCLEROSIS	0.5	-	-	0.6	1.6	-	-
EPILEPSY	1.5	1.0	-	1.8	1.6	3.9	20.0
VENOUS EMBOLISM & THROMB.	0.7	-	0.3	0.3	1.6	1.9	10.0
TUBERCULOSIS	1.8	-	0.3	0.6	4.3	8.7	-
MENINGITIS	1.0	4.1	-	0.9	1.1	1.0	10.0
INFECTIONS OF KIDNEY	0.1	-	-	-	0.5	-	-
ALL OTHER CAUSES	118.8	125.0	7.1	46.7	136.3	500.7	2,145.1

* RATE PER 100,000 BLACK POPULATION FOR EACH SPECIFIED AGE GROUP, 1990.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-13
AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH
PENNSYLVANIA RESIDENTS, 1990 AND AVERAGE ANNUAL, 1986-1990
AND UNITED STATES, 1990

CAUSE OF DEATH	PENNSYLVANIA 1990	PENNSYLVANIA 1986-1990	UNITED STATES 1990
ALL CAUSES	519.7	540.5	515.1
HEART DISEASE	160.1	175.8	150.3
MALIGNANT NEOPLASMS	140.4	141.2	133.0
CEREBROVASCULAR DISEASE	25.8	27.2	27.6
CHRONIC OBSTR. PULM. DIS.	17.6	17.7	19.7
UNINTENTIONAL INJURIES	27.5	29.6	32.7
NON-MOTOR VEHICLE	13.2	13.9	13.8
MOTOR VEHICLE	14.2	15.8	18.9
PNEUMONIA & INFLUENZA	12.0	11.9	13.5
DIABETES MELLITUS	13.1	12.3	11.7
SEPTICEMIA	6.2	6.4	4.2
SUICIDE	11.1	11.1	11.3
NEPHRITIS, NEPHROSIS, ETC.	5.0	5.5	4.2
LIVER DISEASE & CIRRHOSIS	7.3	7.8	8.3
AORTIC ANEURYSM	3.6	3.8	**
HOMICIDE & LEGAL INTERV.	7.3	6.1	10.6
ATHEROSCLEROSIS	2.1	2.4	2.4
HIV INFECTION	6.3	***	9.1
PNEUMOCONIOSIS	1.7	1.8	**

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.
** COMPARABLE U.S. DATA ARE NOT AVAILABLE FOR THESE CAUSES.
***MORTALITY DATA ON HIV INFECTION WERE NOT COLLECTED PRIOR TO 1987.

NOTE: U.S. MORTALITY DATA USED TO COMPUTE U.S. RATES ARE PROVISIONAL.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	121,081	1019.1
INFECTIOUS AND PARASITIC DISEASES	001-139	2,906	24.5
INTESTINAL INFECTIOUS DISEASES	001-009	36	0.3
TUBERCULOSIS	010-018	74	0.6
TUBERCULOSIS OF RESPIRATORY SYSTEM	010-012	59	0.5
OTHER TUBERCULOSIS	013-018	15	0.1
ZOONOTIC BACTERIAL DISEASES	020-027	3	0.0
OTHER BACTERIAL DISEASES	030-041	1,758	14.8
SEPTICEMIA	038	1,705	14.3
OTHER BACTERIAL DISEASES	030-037,039-041	53	0.4
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	750	6.3
POLIOMYELITIS AND OTHER NON-ARTHROPOD VIRAL DISEASES OF THE CENTRAL NERVOUS SYSTEM	045-049	32	0.3
VIRAL DISEASES ACCOMPANIED BY EXANTHEM	050-057	16	0.1
ARTHROPOD-BORNE VIRAL DISEASES	060-066	0	-
OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	070-079	59	0.5
RICKETTSIOSES AND OTHER ARTHROPOD-BORNE DISEASES	080-088	1	0.0
SYPHILIS AND OTHER VENEREAL DISEASES	090-099	6	0.1
OTHER SPIROCHAETAL DISEASES	100-104	0	-
MYCOSES	110-118	84	0.7
HELMINTHIASES	120-129	2	0.0
OTHER INFECTIOUS AND PARASITIC DISEASES	130-136	66	0.6
LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	137-139	19	0.2
NEOPLASMS	140-239	30,123	253.5
MALIGNANT NEOPLASM OF LIP, ORAL CAVITY, AND PHARYNX	140-149	421	3.5
OF TONGUE	141	97	0.8
OF MAJOR SALIVARY GLANDS	142	34	0.3
OF FLOOR OF MOUTH	144	14	0.1
OF OTHER AND UNSPECIFIED PARTS OF MOUTH	140,143,145	79	0.7
OF OROPHARYNX	146	73	0.6
OF NASOPHARYNX	147	33	0.3
OF HYPOPHARYNX	148	21	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY, AND PHARYNX	149	70	0.6
MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	150-159	7,249	61.0
OF ESOPHAGUS	150	537	4.5
OF STOMACH	151	868	7.3
OF SMALL INTESTINE, INCLUDING DUODENUM	152	63	0.5
OF COLON	153	3,100	26.1
OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	154	518	4.4
OF LIVER AND INTRAHEPATIC BILE DUCTS	155	398	3.3
OF GALL BLADDER AND EXTRAHEPATIC BILE DUCTS	156	239	2.0
OF PANCREAS	157	1,377	11.6
OF RETROPERITONEUM AND PERITONEUM	158	17	0.1
OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	159	132	1.1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	160-165	8,053	67.8
OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	160	35	0.3
OF LARYNX	161	223	1.9
OF TRACHEA,BRONCHUS, AND LUNG	162	7,760	65.3
OF PLEURA	163	14	0.1
OF THYMUS, HEART, AND MEDIASTINUM	164	21	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	165	0	-
MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, AND BREAST	170-175	3,400	28.6
OF BONE AND ARTICULAR CARTILAGE	170	33	0.3
OF CONNECTIVE AND OTHER SOFT TISSUE	171	170	1.4
MALIGNANT MELANOMA OF SKIN	172	362	3.0
OTHER MALIGNANT NEOPLASM OF SKIN	173	123	1.0
OF FEMALE BREAST	174	2,690	22.6
OF MALE BREAST	175	22	0.2
MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	179-189	4,701	39.6
OF UTERUS, PART UNSPECIFIED	179	217	1.8
OF CERVIX UTERI	180	252	2.1
OF BODY OF UTERUS	182	213	1.8
OF OVARY AND OTHER UTERINE ADNEXA	183	799	6.7
OF PLACENTA AND OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	181,184	82	0.7
OF PROSTATE	185	1,850	15.6
OF TESTIS	186	22	0.2
OF PENIS AND OTHER MALE GENITAL ORGANS	187	7	0.1
OF BLADDER	188	664	5.6
OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	189	595	5.0
MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	190-199	3,145	26.5
OF EYE	190	9	0.1
OF BRAIN	191	642	5.4
OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	192	11	0.1
OF THYROID GLAND	193	65	0.5
OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	194	26	0.2
OF OTHER AND UNSPECIFIED SITES	195-199	2,392	20.1
MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	200-208	2,708	22.8
LYMPHOSARCOMA AND RETICULOSARCOMA	200	105	0.9
HODGKIN'S DISEASE	201	93	0.8
OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	202	997	8.4
MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	203	505	4.3
LYMPHOID LEUKEMIA	204	298	2.5
MYELOID LEUKEMIA	205	431	3.6
MONOCYTIC AND OTHER SPECIFIED LEUKEMIA	206-207	17	0.1
LEUKEMIA OF UNSPECIFIED CELL TYPE	208	262	2.2

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
BENIGN NEOPLASMS	210-229	89	0.7
OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	225	59	0.5
OTHER BENIGN NEOPLASMS	210-224,226-229	30	0.3
CARCINOMA IN SITU	230-234	1	0.0
NEOPLASMS OF UNCERTAIN BEHAVIOR	235-238	88	0.7
NEOPLASMS OF UNSPECIFIED NATURE	239	268	2.3
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	4,071	34.3
DISORDERS OF THYROID GLAND	240-246	68	0.6
ACQUIRED HYPOTHYROIDISM	244	57	0.5
OTHER DISORDERS OF THYROID GLAND	240-243,245-246	11	0.1
DISEASES OF OTHER ENDOCRINE GLANDS	250-259	3,113	26.2
DIABETES MELLITUS	250	3,082	25.9
OTHER ENDOCRINE DISORDERS	251-259	36	0.3
NUTRITIONAL DEFICIENCIES	260-269	189	1.6
PROTEIN-CALORIE MALNUTRITION	260-263	184	1.5
OTHER NUTRITIONAL DEFICIENCIES	264-269	5	0.0
OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	270-279	696	5.9
CERTAIN SPECIFIED DISORDERS OF METABOLISM	270-275	127	1.1
DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	276	348	2.9
OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	277	95	0.8
OBESITY AND OTHER HYPERALIMENTATION	278	97	0.8
DISORDERS INVOLVING THE IMMUNE MECHANISM	279	29	0.2
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	573	4.8
HEMOLYTIC ANEMIAS	282-283	46	0.4
APLASTIC ANEMIA	284	78	0.7
OTHER AND UNSPECIFIED ANEMIAS	285	130	1.1
COAGULATION DEFECTS	286	88	0.7
PURPURA AND OTHER HEMORRHAGIC CONDITIONS	287	61	0.5
DISEASES OF WHITE BLOOD CELLS	288	29	0.2
OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-281,289	141	1.2
MENTAL DISORDERS	290-319	1,048	8.8
ORGANIC PSYCHOTIC CONDITIONS	290-294	436	3.7
SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	290	423	3.6
OTHER ORGANIC PSYCHOTIC CONDITIONS	291-294	13	0.1
OTHER PSYCHOSES	295-299	163	1.4
NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	300-316	430	3.6
ALCOHOL DEPENDENCE SYNDROME	303	131	1.1
NONDEPENDENT ABUSE OF DRUGS	305	72	0.6
SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	310	202	1.7
OTHER NONPSYCHOTIC MENTAL DISORDERS	300-302,304,306-309,311-316	25	0.2
MENTAL RETARDATION	317-319	19	0.2

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	2,109	17.8
INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	320-326	55	0.5
BACTERIAL MENINGITIS	320	15	0.1
MENINGITIS DUE TO OTHER AND UNSPECIFIED CAUSE	321-322	21	0.2
OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	323-326	19	0.2
HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	330-337	1,361	11.5
CEREBRAL DEGENERATIONS	330-331	688	5.8
PARKINSON'S DISEASE	332	384	3.2
ANTERIOR HORN CELL DISEASE	335	225	1.9
OTHER HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	333-334,336-337	64	0.5
OTHER DISORDERS OF CENTRAL NERVOUS SYSTEM	340-349	564	4.7
MULTIPLE SCLEROSIS	340	109	0.9
INFANTILE CEREBRAL PALSY	343	47	0.4
OTHER PARALYTIC SYNDROMES	344	46	0.4
EPILEPSY	345	83	0.7
OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	341-342,346-349	279	2.3
DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-359	121	1.0
MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	359	56	0.5
OTHER DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-358	65	0.5
DISORDERS OF THE EYE AND EAR	360-389	8	0.1
DISEASES OF THE CIRCULATORY SYSTEM	390-459	53,682	451.8
ACUTE RHEUMATIC FEVER	390-392	1	0.0
CHRONIC RHEUMATIC HEART DISEASE	393-398	439	3.7
DISEASES OF MITRAL VALVE	394	187	1.6
DISEASES OF AORTIC VALVE	395	7	0.1
DISEASES OF MITRAL AND AORTIC VALVES	396	74	0.6
DISEASES OF OTHER ENDOCARDIAL STRUCTURES	397	34	0.3
OTHER RHEUMATIC HEART DISEASE	393,398	137	1.2
HYPERTENSIVE DISEASE	401-405	1,388	11.7
ESSENTIAL HYPERTENSION	401	214	1.8
HYPERTENSIVE HEART DISEASE	402	901	7.6
HYPERTENSIVE RENAL DISEASE	403	160	1.3
HYPERTENSIVE HEART AND RENAL DISEASE	404	113	1.0
SECONDARY HYPERTENSION	405	0	-
ISCHEMIC HEART DISEASE	410-414	28,323	238.4
ACUTE MYOCARDIAL INFARCTION	410	15,476	130.3
OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	411	68	0.6
OLD MYOCARDIAL INFARCTION	412	55	0.5
ANGINA PECTORIS	413	66	0.6
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	414	12,658	106.5

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF PULMONARY CIRCULATION	415-417	815	6.9
ACUTE PULMONARY HEART DISEASE	415	663	5.6
CHRONIC PULMONARY HEART DISEASE	416	151	1.3
OTHER DISEASES OF PULMONARY CIRCULATION	417	1	0.0
OTHER FORMS OF HEART DISEASES	420-429	12,612	106.1
ACUTE PERICARDITIS AND OTHER DISEASES OF PERICARDIUM	420,423	29	0.2
ACUTE AND SUBACUTE ENDOCARDITIS	421	64	0.5
OTHER DISEASES OF ENDOCARDIUM	424	880	7.4
CARDIOMYOPATHY	425	1,304	11.0
CONDUCTION DISORDERS	426	51	0.4
CARDIAC DYSRHYTHMIAS	427	2,657	22.4
HEART FAILURE	428	2,377	20.0
OTHER AND ILL-DEFINED HEART DISEASE	422,429	5,250	44.2
CEREBROVASCULAR DISEASE	430-438	7,678	64.6
SUBARACHNOID HEMORRHAGE	430	344	2.9
INTRACEREBRAL HEMORRHAGE	431	1,012	8.5
OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	432	156	1.3
OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	433	89	0.7
OCCLUSION OF CEREBRAL ARTERIES	434	1,235	10.4
TRANSIENT CEREBRAL ISCHEMIA	435	31	0.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	436	4,071	34.3
OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	437	526	4.4
LATE EFFECTS OF CEREBROVASCULAR DISEASE	438	214	1.8
DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	440-448	2,223	18.7
ATHEROSCLEROSIS	440	756	6.4
AORTIC ANEURYSM	441	962	8.1
OTHER ANEURYSM	442	37	0.3
OTHER PERIPHERAL VASCULAR DISEASE	443	262	2.2
ARTERIAL EMBOLISM AND THROMBOSIS	444	89	0.7
POLYARTERITIS NODOSA AND ALLIED CONDITIONS	446	36	0.3
OTHER DISORDERS OF ARTERIES AND ARTERIOLES	447	78	0.7
DISEASES OF CAPILLARIES	448	3	0.0
DISEASES OF VEINS AND LYMPHATICS, AND OTHER DISEASES OF CIRCULATORY SYSTEM	451-459	203	1.7
PHLEBITIS AND THROMBOPHLEBITIS	451	57	0.5
OTHER VENOUS EMBOLISM AND THROMBOSIS	452-453	22	0.2
VARICOSE VEINS	454-456	28	0.2
HYPOTENSION	458	49	0.4
OTHER DISORDERS OF CIRCULATORY SYSTEM	457,459	47	0.4
DISEASES OF THE RESPIRATORY SYSTEM	460-519	10,357	87.2
ACUTE RESPIRATORY INFECTIONS	460-466	43	0.4
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	34	0.3
OTHER ACUTE RESPIRATORY INFECTIONS	460-465	9	0.1
OTHER DISEASES OF UPPER RESPIRATORY TRACT	470-478	18	0.2
PNEUMONIA AND INFLUENZA	480-487	3,876	32.6
VIRAL PNEUMONIA	480	26	0.2
PNEUMOCOCCAL PNEUMONIA	481	85	0.7
OTHER BACTERIAL PNEUMONIA	482	117	1.0
BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	485	244	2.1
PNEUMONIA, OTHER AND UNSPECIFIED	483,484,486	3,343	28.1
INFLUENZA	487	61	0.5

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	490-496	4,487	37.8
BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	490	31	0.3
CHRONIC BRONCHITIS	491	103	0.9
EMPHYSEMA	492	652	5.5
ASTHMA	493	205	1.7
BRONCHIECTASIS	494	46	0.4
EXTRINSIC ALLERGIC ALVEOLITIS AND OTHER CHRONIC AIRWAY OBSTRUCTIONS	495-496	3,450	29.0
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	500-508	1,038	8.7
COALWORKER'S PNEUMOCONIOSIS	500	436	3.7
ASBESTOSIS AND PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	501-502	36	0.3
PNEUMOCONIOSIS, OTHER AND UNSPECIFIED	503-505	20	0.2
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	507	542	4.6
RESPIRATORY CONDITIONS DUE TO OTHER AND UNSPECIFIED EXTERNAL AGENTS	506,508	4	0.0
OTHER DISEASES OF RESPIRATORY SYSTEM	510-519	895	7.5
EMPYEMA	510	30	0.3
PLEURISY	511	64	0.5
PNEUMOTHORAX	512	37	0.3
ABSCESS OF LUNG AND MEDIASTINUM	513	16	0.1
PULMONARY CONGESTION AND HYPOSTASIS	514	49	0.4
POSTINFLAMMATORY PULMONARY FIBROSIS	515	256	2.2
OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	516	32	0.3
OTHER DISEASES OF THE LUNG	517-518	356	3.0
OTHER DISEASES OF RESPIRATORY SYSTEM	519	55	0.5
DISEASES OF THE DIGESTIVE SYSTEM	520-579	4,163	35.0
DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS	520-529	3	0.0
DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	530-537	448	3.8
DISEASES OF ESOPHAGUS	530	98	0.8
GASTRIC ULCER	531	81	0.7
DUODENAL ULCER	532	96	0.8
PEPTIC ULCER, SITE UNSPECIFIED	533	115	1.0
OTHER DISORDERS OF STOMACH AND DUODENUM	534-537	58	0.5
APPENDICITIS	540-543	18	0.2
HERNIA OF ABDOMINAL CAVITY	550-553	82	0.7
NONINFECTIVE ENTERITIS AND COLITIS	555-558	485	4.1
IDIOPATHIC PROCTOCOLITIS	556	47	0.4
VASCULAR INSUFFICIENCY OF INTESTINE	557	380	3.2
OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	555,558	58	0.5
OTHER DISEASES OF INTESTINES AND PERITONEUM	560-569	653	5.5
INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	560	259	2.2
DIVERTICULA OF INTESTINE	562	166	1.4
PERITONITIS	567	90	0.8
OTHER DISORDERS OF PERITONEUM	568	8	0.1
OTHER DISORDERS OF INTESTINE	564-566,569	130	1.1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
OTHER DISEASES OF DIGESTIVE SYSTEM	570-579	2,474	20.8
ACUTE AND SUBACUTE NECROSIS OF LIVER	570	17	0.1
CHRONIC LIVER DISEASE AND CIRRHOSIS	571	1,232	10.4
LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	572	265	2.2
OTHER DISORDERS OF LIVER	573	97	0.8
CHOLELITHIASIS	574	88	0.7
OTHER DISORDERS OF GALL BLADDER	575	107	0.9
OTHER DISORDERS OF BILIARY TRACT	576	55	0.5
DISEASES OF PANCREAS	577	153	1.3
GASTROINTESTINAL HEMORRHAGE	578	456	3.8
INTESTINAL MALABSORPTION	579	4	0.0
DISEASES OF THE GENITOURINARY SYSTEM	580-629	2,446	20.6
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	580-589	1,398	11.8
CHRONIC GLOMERULONEPHRITIS	582	54	0.5
NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	583	14	0.1
ACUTE RENAL FAILURE	584	245	2.1
CHRONIC RENAL FAILURE	585	288	2.4
RENAL FAILURE, UNSPECIFIED	586	769	6.5
OTHER RENAL DISORDERS	580-581,587-589	28	0.2
OTHER DISEASES OF URINARY SYSTEM	590-599	993	8.4
INFECTIONS OF KIDNEY	590	35	0.3
CALCULUS OF KIDNEY AND URETER	592	25	0.2
OTHER DISORDERS OF KIDNEY AND URETER	591,593	241	2.0
OTHER DISORDERS OF URETHRA AND URINARY TRACT	594-599	692	5.8
DISEASES OF MALE GENITAL ORGANS	600-608	32	0.3
HYPERPLASIA OF PROSTATE	600	19	0.2
OTHER DISORDERS OF MALE GENITAL ORGANS	601-608	13	0.1
DISORDERS OF THE BREAST	610-611	2	0.0
INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	614-616	10	0.1
OTHER DISORDERS OF FEMALE GENITAL TRACT	617-629	11	0.1
COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	630-676	11	0.6
PREGNANCY WITH ABORTIVE OUTCOME	630-639	3	0.2
INDUCED ABORTION	635-636	0	-
OTHER ABORTION, ECTOPIC, AND MOLAR PREGNANCIES	630-634,637-639	3	0.2
COMPLICATIONS MAINLY RELATED TO PREGNANCY	640-648	2	0.1
OTHER INDICATIONS FOR CARE IN PREGNANCY, LABOR, AND DELIVERY	650-659	0	-
COMPLICATIONS OCCURRING MAINLY IN THE COURSE OF LABOR AND DELIVERY	660-669	1	0.1
COMPLICATIONS OF THE PUERPERIUM	670-676	5	0.3

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.
MATERNAL DEATH RATE (ICD CODES 630-676) PER 10,000 LIVE BIRTHS.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	680-709	245	2.1
INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	680-686	45	0.4
CELLULITIS AND ABSCESS	680-682	35	0.3
OTHER INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	683-686	10	0.1
OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	690-698	21	0.2
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-709	179	1.5
CHRONIC ULCER OF SKIN	707	179	1.5
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-706,708-709	0	-
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	710-739	414	3.5
ARTHROPATHIES AND RELATED DISORDERS	710-719	270	2.3
DIFFUSE DISEASES OF CONNECTIVE TISSUE	710	137	1.2
RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	714	96	0.8
OTHER ARTHROPATHIES AND RELATED DISORDERS	711-713,715-719	37	0.3
DORSOPATHIES	720-724	7	0.1
RHEUMATISM, EXCLUDING BACK	725-729	29	0.2
OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	730-739	108	0.9
CONGENITAL ANOMALIES	740-759	577	4.9
ANENCEPHALUS AND SIMILAR ANOMALIES	740	15	0.1
SPINA BIFIDA	741	10	0.1
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	742	47	0.4
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	70	0.6
OTHER CONGENITAL ANOMALIES OF HEART	746	152	1.3
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	39	0.3
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	59	0.5
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	40	0.3
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	29	0.2
CHROMOSOMAL ANOMALIES	758	66	0.6
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	743-744,749-751,757,759	50	0.4
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (SEE TABLE C-14 FOR DETAILS.)	760-779	824	6.9
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	1,141	9.6
SYMPTOMS	780-789	161	1.4
SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	785	97	0.8
OTHER SYMPTOMS	780-784,786-789	64	0.5

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
NONSPECIFIED ABNORMAL FINDINGS	790-796	4	0.0
ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	797-799	976	8.2
SENILITY WITHOUT MENTION OF PSYCHOSIS	797	21	0.2
SUDDEN DEATH, CAUSE UNKNOWN	798	243	2.0
OTHER ILL-DEFINED AND UNKNOWN CAUSE OF MORTALITY	799	712	6.0
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	6,391	53.8
UNINTENTIONAL INJURIES	800-949	4,001	33.7
RAILWAY	800-807	29	0.2
MOTOR VEHICLE-TRAFFIC	810-819	1,720	14.5
INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	811-812	589	5.0
INVOLVING COLLISION WITH ANOTHER VEHICLE	810,813	35	0.3
INVOLVING COLLISION WITH PEDESTRIAN	814	291	2.4
OTHER INVOLVING COLLISION ON THE HIGHWAY	815	313	2.6
DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	816	125	1.1
OTHER NONCOLLISION	817-818	58	0.5
UNSPECIFIED NATURE	819	309	2.6
MOTOR VEHICLE-NONTRAFFIC	820-825	38	0.3
OTHER ROAD VEHICLE	826-829	8	0.1
WATER TRANSPORT	830-838	22	0.2
AIR AND SPACE TRANSPORT	840-845	21	0.2
DUE TO POWERED AIRCRAFT	840-841	20	0.2
OTHER AIR AND SPACE TRANSPORT	842-845	1	0.0
VEHICLE NOT ELSEWHERE CLASSIFIABLE	846-848	2	0.0
POISONING BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS	850	40	0.3
POISONING BY OTHER DRUGS, MEDICAMENTS, AND BIOLOGICALS	851-858	293	2.5
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-869	67	0.6
POISONING BY UTILITY GAS AND OTHER CARBON MONOXIDE	868	42	0.4
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-867,869	25	0.2
MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	27	0.2
CUT, PUNCTURE, PERFORATION OR HEMORRHAGE DURING MEDICAL CARE	870	20	0.2
OTHER AND UNSPECIFIED MISADVENTURE DURING MEDICAL CARE	871-876	7	0.1
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE	878-879	173	1.5
SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES	878	142	1.2
OTHER PROCEDURES	879	31	0.3
FALLS	880-888	620	5.2
FALL ON OR FROM STAIRS OR STEPS	880	123	1.0
FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	882	39	0.3
OTHER FALL FROM ONE LEVEL TO ANOTHER	881,883-884	48	0.4
FRACTURE, CAUSE UNSPECIFIED	887	208	1.8
OTHER AND UNSPECIFIED FALL	885-886,888	202	1.7

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-14
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
FIRE AND FLAMES	890-899	204	1.7
CONFLAGRATION IN PRIVATE DWELLING	890	185	1.6
OTHER FIRE AND FLAMES	891-899	19	0.2
NATURAL AND ENVIRONMENTAL FACTORS	900-909	40	0.3
EXCESSIVE COLD	901	17	0.1
OTHER NATURAL AND ENVIRONMENTAL FACTORS	900,902-909	23	0.2
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	320	2.7
DROWNING AND SUBMERSION	910	98	0.8
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	56	0.5
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	139	1.2
MECHANICAL SUFFOCATION	913	25	0.2
FOREIGN BODY ENTERING ORIFACE	914-915	2	0.0
OTHER UNINTENTIONAL INJURIES	916-928	337	2.8
STRUCK BY FALLING OBJECT	916	42	0.4
CAUSED BY MACHINERY	919	66	0.6
CAUSED BY FIREARM MISSILE	922	32	0.3
CAUSED BY ELECTRIC CURRENT	925	24	0.2
OTHER AND UNSPECIFIED CAUSES	917-918,920-921 923-924,926-928	173	1.5
LATE EFFECTS OF UNINTENTIONAL INJURY	929	29	0.2
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	11	0.1
SUICIDE	950-959	1,446	12.2
BY SOLID OR LIQUID SUBSTANCES	950	150	1.3
BY GASES AND VAPORS	951-952	125	1.1
BY HANGING, STRANGULATION, AND SUFFOCATION	953	219	1.8
BY SUBMERSION (DROWNING)	954	31	0.3
BY FIREARMS AND EXPLOSIVES	955	830	7.0
BY JUMPING FROM HIGH PLACE	957	31	0.3
BY OTHER AND UNSPECIFIED MEANS AND LATE EFFECTS	956,958-959	60	0.5
HOMICIDE	960-969	818	6.9
ASSAULT BY HANGING AND STRANGULATION	963	35	0.3
ASSAULT BY FIREARMS AND EXPLOSIVES	965	493	4.1
ASSAULT BY CUTTING AND PIERCING INSTRUMENT	966	135	1.1
OTHER INJURIES AND LATE EFFECTS	960-962,964,967-969	155	1.3
LEGAL INTERVENTION	970-978	6	0.1
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	120	1.0
POISONING BY SOLID OR LIQUID SUBSTANCES	980	52	0.4
POISONING BY GASES	981-982	3	0.0
SUBMERSION (DROWNING)	984	13	0.1
INJURY BY FIREARMS AND EXPLOSIVES	985	13	0.1
OTHER INJURIES AND LATE EFFECTS	983,986-989	39	0.3
INJURY RESULTING FROM OPERATIONS OF WAR	990-999	0	-

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 POPULATION, 1990.

TABLE C-15
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1990

CAUSE OF DEATH	ICD CODE*	INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
		NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
ALL CAUSES	001-999	1,627	9.5	685	226	166	550
INFECTIOUS AND PARASITIC DISEASES	001-139	32	0.2	1	0	0	31
SEPTICEMIA	038	16	0.1	0	0	0	16
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	3	0.0	0	0	0	3
NEOPLASMS	140-239	9	0.1	2	0	1	6
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	17	0.1	3	2	4	8
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	3	0.0	0	1	1	1
MENTAL DISORDERS	290-319	0	-	0	0	0	0
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	28	0.2	0	1	1	26
MENINGITIS	320-322	6	0.0	0	1	1	4
DISEASES OF THE CIRCULATORY SYSTEM	390-459	39	0.2	2	6	4	27
CARDIAC DYSRHYTHMIAS	427	6	0.0	1	0	1	4
DISEASES OF THE RESPIRATORY SYSTEM	460-519	37	0.2	3	2	3	29
PNEUMONIA	480-486	27	0.2	1	2	2	22
DISEASES OF THE DIGESTIVE SYSTEM	520-579	14	0.1	0	0	2	12
NONINFECTIVE ENTERITIS AND COLITIS	555-558	6	0.0	0	0	2	4
DISEASES OF THE GENITOURINARY SYSTEM	580-629	3	0.0	0	0	1	2
DISEASES OF THE CUTANEOUS AND MUSCULOSKELETAL SYSTEMS	680-739	1	0.0	0	0	0	1
CONGENITAL ANOMALIES	740-759	337	2.0	115	63	57	102
ANENCEPHALUS AND SIMILAR ANOMALIES	740	15	0.1	13	1	0	1
SPINA BIFIDA	741	5	0.0	1	0	1	3
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	21	0.1	3	3	5	10
MICROCEPHALUS	742.1	5	0.0	1	0	0	4
CONGENITAL HYDROCEPHALUS	742.3	5	0.0	0	1	3	1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-15
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
		NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	26	0.2	2	6	4	14
TRANSPOSITION OF GREAT VESSELS	745.1	10	0.1	0	4	3	3
TETRALOGY OF FALLOT	745.2	4	0.0	0	1	1	2
OTHER CONGENITAL ANOMALIES OF HEART	746	80	0.5	6	14	23	37
HYPOPLASTIC LEFT HEART SYNDROME	746.7	27	0.2	0	9	11	7
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	17	0.1	0	5	5	7
COARCTATION OF AORTA	747.1	4	0.0	0	1	1	2
ANOMALIES OF PULMONARY ARTERY	747.3	3	0.0	0	0	1	2
ANOMALIES OF GREAT VEINS	747.4	2	0.0	0	0	0	2
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	56	0.3	35	13	5	3
ANOMALIES OF LARYNX, TRACHEA, AND BRONCHUS	748.2-748.3	1	0.0	1	0	0	0
AGENESIS, HYPOPLASIA, AND DYSPLASIA OF LUNG	748.5	49	0.3	33	13	3	0
CONGENITAL ANOMALIES OF UPPER ALIMENTARY SYSTEM	749-750	1	0.0	1	0	0	0
CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	751	1	0.0	0	0	1	0
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	22	0.1	17	3	0	2
RENAL AGENESIS AND DYSGENESIS	753.0	20	0.1	16	2	0	2
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	24	0.1	12	6	3	3
ANOMALIES OF DIAPHRAGM	756.6	15	0.1	7	4	3	1
CONGENITAL ANOMALIES OF THE INTEGUMENT	757	1	0.0	0	0	0	1
CHROMOSOMAL ANOMALIES	758	43	0.3	8	11	8	16
DOWN SYNDROME	758.0	5	0.0	1	1	1	2
PATAU'S SYNDROME	758.1	7	0.0	1	4	0	2
EDWARD'S SYNDROME	758.2	21	0.1	3	5	5	8
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	759	25	0.1	17	1	2	5
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	14	0.1	10	1	2	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	818	4.8	553	147	75	43
NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	5	0.0	4	0	1	0
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	82	0.5	72	9	1	0
INCOMPETENT CERVIX	761.0	5	0.0	4	1	0	0
PREMATURE RUPTURE OF MEMBRANES	761.1	19	0.1	17	2	0	0
MULTIPLE PREGNANCY	761.5	56	0.3	50	5	1	0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-15
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
		NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	45	0.3	42	2	1	0
PLACENTA PREVIA	762.0	2	0.0	2	0	0	0
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	28	0.2	25	2	1	0
PROLAPSED CORD AND OTHER COMPRESSION OF UMBILICAL CORD	762.4-762.5	2	0.0	2	0	0	0
CHORIOAMNIONITIS	762.7	11	0.1	11	0	0	0
NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	1	0.0	1	0	0	0
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	3	0.0	0	2	1	0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	251	1.5	226	22	0	3
EXTREME IMMATURITY	765.0	192	1.1	174	18	0	0
OTHER PRETERM INFANT	765.1	59	0.3	52	4	0	3
DISORDERS RELATING TO LONG GESTATION AND HIGH BIRTH WEIGHT	766	0	-	0	0	0	0
BIRTH TRAUMA	767	9	0.1	1	6	2	0
SUBDURAL AND CEREBRAL HEMORRHAGE	767.0	9	0.1	1	6	2	0
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	26	0.2	11	12	1	2
FETAL DISTRESS	768.2-768.4	8	0.0	3	3	1	1
BIRTH ASPHYXIA	768.5-768.9	18	0.1	8	9	0	1
RESPIRATORY DISTRESS SYNDROME	769	116	0.7	53	43	13	7
OTHER RESPIRATORY CONDITIONS OF NEWBORN	770	119	0.7	60	13	21	25
CONGENITAL PNEUMONIA	770.0	3	0.0	0	1	2	0
MASSIVE ASPIRATION SYNDROME	770.1	7	0.0	3	1	3	0
INTERSTITIAL EMPHYSEMA AND RELATED CONDITIONS	770.2	9	0.1	5	1	3	0
PRIMARY ATELECTASIS	770.4	15	0.1	11	2	2	0
CHRONIC RESPIRATORY DISEASE ARISING IN THE PERINATAL PERIOD	770.7	31	0.2	4	0	4	23
OTHER AND UNSPECIFIED RESPIRATORY PROBLEMS DURING PERINATAL PERIOD	770.3,770.5,770.8,770.9	54	0.3	37	8	7	2
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	39	0.2	16	16	6	1
NEONATAL HEMORRHAGE	772	15	0.1	5	6	4	0
INTRAVENTRICULAR HEMORRHAGE	772.1	9	0.1	1	6	2	0
HEMOLYTIC DISEASE OF NEWBORN DUE TO ISOIMMUNIZATION AND OTHER PERINATAL JAUNDICE	773-774	3	0.0	2	1	0	0
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE NEWBORN	775	1	0.0	0	0	1	0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-15
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1990 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
		NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
HEMATOLOGICAL DISORDERS OF NEWBORN	776	0	-	0	0	0	0
PERINATAL DISORDERS OF DIGESTIVE SYSTEM	777	28	0.2	0	7	17	4
NECROTIZING ENTEROCOLITIS IN NEWBORN	777.5	28	0.2	0	7	17	4
CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF NEWBORN	778	12	0.1	7	3	2	0
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	779	63	0.4	53	5	4	1
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	244	1.4	3	3	16	222
SUDDEN INFANT DEATH SYNDROME	798.0	230	1.3	1	2	15	212
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	45	0.3	3	1	1	40
UNINTENTIONAL INJURIES	800-949	33	0.2	0	1	1	31
MOTOR VEHICLE	810-825	2	0.0	0	0	0	2
OTHER TRANSPORT	800-807,826-848	0	-	0	0	0	0
POISONING	850-869	0	-	0	0	0	0
MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	1	0.0	0	0	1	0
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION	878-879	0	-	0	0	0	0
FALLS	880-888	1	0.0	0	0	0	1
FIRE AND FLAMES	890-899	10	0.1	0	0	0	10
NATURAL AND ENVIRONMENTAL FACTORS	900-909	2	0.0	0	0	0	2
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	17	0.1	0	1	0	16
DROWNING AND SUBMERSION	910	2	0.0	0	1	0	1
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	4	0.0	0	0	0	4
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	3	0.0	0	0	0	3
MECHANICAL SUFFOCATION	913	8	0.0	0	0	0	8
OTHER AND LATE EFFECTS OF UNINTENTIONAL INJURIES	916-929	0	-	0	0	0	0
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	0	-	0	0	0	0
HOMICIDE	960-969	11	0.1	2	0	0	9
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	1	0.0	1	0	0	0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-16
RESIDENT FETAL DEATHS BY CAUSE,
NUMBER AND RATE: PENNSYLVANIA, 1990

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	2,926	16.8
CONGENITAL ANOMALIES	740-759	112	0.6
ANENCEPHALUS AND SIMILAR ANOMALIES	740	20	0.1
SPINA BIFIDA	741	1	0.0
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	9	0.1
CONGENITAL HYDROCEPHALUS	742.3	2	0.0
CHROMOSOMAL ANOMALIES	758	18	0.1
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	745-757,759	64	0.4
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	35	0.2
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	2,803	16.1
FETUS AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	81	0.5
MATERNAL HYPERTENSIVE DISORDERS	760.0	35	0.2
MATERNAL INFECTIONS	760.2	18	0.1
MATERNAL INJURY	760.5	9	0.1
FETUS AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	276	1.6
INCOMPETENT CERVIX	761.0	49	0.3
PREMATURE RUPTURE OF MEMBRANES	761.1	180	1.0
POLYHYDRAMNIOS	761.3	1	0.0
MULTIPLE PREGNANCY	761.5	15	0.1
FETUS AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	564	3.2
PLACENTA PRAEVIA	762.0	8	0.0
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	169	1.0
OTHER AND UNSPECIFIED MORPHOLOGICAL AND FUNCTIONAL ABNORMALITIES OF PLACENTA	762.2	61	0.4
PLACENTAL TRANSFUSION SYNDROMES	762.3	14	0.1
PROLAPSED CORD	762.4	19	0.1
OTHER COMPRESSION OF UMBILICAL CORD	762.5	144	0.8
OTHER AND UNSPECIFIED CONDITIONS OF UMBILICAL CORD	762.6	104	0.6
CHORIOAMNIONITIS	762.7	45	0.3
FETUS AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	9	0.1
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	9	0.1
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	208	1.2
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	43	0.2
RESPIRATORY DISTRESS SYNDROME	769	1	0.0
OTHER RESPIRATORY CONDITIONS OF FETUS	770	10	0.1
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	7	0.0
FETAL HEMORRHAGE	772	1	0.0
HEMOLYTIC DISEASE OF FETUS DUE TO ISOIMMUNIZATION	773	0	-
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS	775	7	0.0
MATERNAL DIABETES MELLITUS AFFECTING FETUS	775.0	7	0.0
HEMATOLOGICAL DISORDERS OF FETUS	776	0	-
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	766-767,774,777-779	1,587	9.1
TERMINATION OF PREGNANCY	779.6	971	5.6
OTHER AND UNKNOWN CAUSES	001-739,780-999	11	0.1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).

TABLE C-17A
HEART DISEASE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	43,204	363.6	725,010**	289.0					
1989	44,784	372.0	735,450**	296.3	1969	52,816	447.5	739,265	367.1
1988	47,810	398.3	765,156	311.3	1968	54,398	462.7	744,658	373.5
1987	47,381	396.9	760,353	312.4	1967	53,121	456.1	721,268	364.5
1986	47,991	403.7	765,490	317.5	1966	53,874	462.7	727,002	371.2
1985	48,692	410.4	771,169	323.0	1965	52,685	456.7	712,087	367.4
1984	48,645	408.8	765,114	323.5	1964	52,078	454.5	699,861	365.7
1983	49,780	418.5	770,432	329.2	1963	53,495	468.3	707,830	375.2
1982	48,470	407.8	755,592	326.0	1962	52,751	463.7	688,009	370.1
1981	48,786	411.2	753,884	328.7	1961	51,735	451.1	663,391	362.4
1980	50,677	427.2	761,085	336.0	1960	51,431	454.4	661,712	369.0
1979	48,407	412.7	733,235	326.5	1959	50,196	443.3	641,044	363.2
1978	48,573	413.3	729,510	334.3	1958	49,673	447.5	637,246	367.7
1977	48,444	411.1	718,850	332.3	1957	49,393	442.4	628,504	369.6
1976	49,730	419.2	723,878	337.2	1956	47,796	429.4	602,995	361.1
1975	49,323	417.0	716,215	336.2	1955	46,690	421.8	584,620	356.5
1974	50,625	427.7	738,171	349.2	1954	44,382	407.3	560,077	348.3
1973	52,730	443.0	757,075	360.8	1953	45,784	422.8	570,275	361.2
1972	53,098	445.2	755,864	363.0	1952	44,246	412.2	555,141	357.4
1971	53,222	448.0	743,368	360.5	1951	44,443	419.4	545,675	356.8
1970	52,476	444.7	735,542	362.0	1950	43,793	416.4	535,705	356.8

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-10
HEART DISEASE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

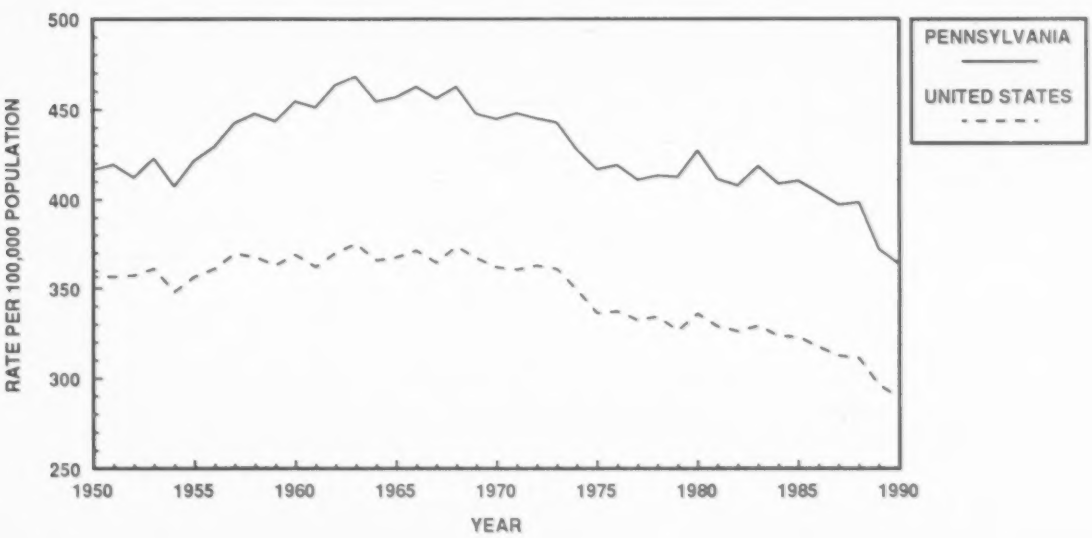


TABLE C-17B
RESIDENT HEART DISEASE DEATHS BY TYPE AND SEX
NUMBER AND PERCENT: PENNSYLVANIA, 1990

TYPE OF HEART DISEASE*	TOTAL	MALE ** NUMBER	MALE ** PERCENT	FEMALE NUMBER	FEMALE PERCENT
TOTAL HEART DISEASE	43,204	20,957	100.0	22,247	100.0
RHEUMATIC HEART DISEASE	440	124	0.6	316	1.4
HEART DISEASE WITH HYPERTENSION	1,014	416	2.0	598	2.7
ACUTE MYOCARDIAL INFARCTION	15,476	8,191	39.1	7,285	32.7
ISCHEMIC EXCL. MYOCARDIAL INFARCT.	12,847	6,114	29.2	6,733	30.3
DISEASES OF PULMONARY CIRCULATION	815	362	1.7	453	2.0
OTHER HEART DISEASE	12,612	5,750	27.4	6,862	30.8

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THIS TABLE:
RHEUMATIC HEART DISEASE=390-398
HEART DISEASE WITH HYPERTENSION=402,404
ACUTE MYOCARDIAL INFARCTION=410
ISCHEMIC EXCL. MYOCARDIAL INFARCTION=411-414
DISEASES OF PULMONARY CIRCULATION=415-417
OTHER HEART DISEASE=420-429
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-11
RESIDENT HEART DISEASE DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1990

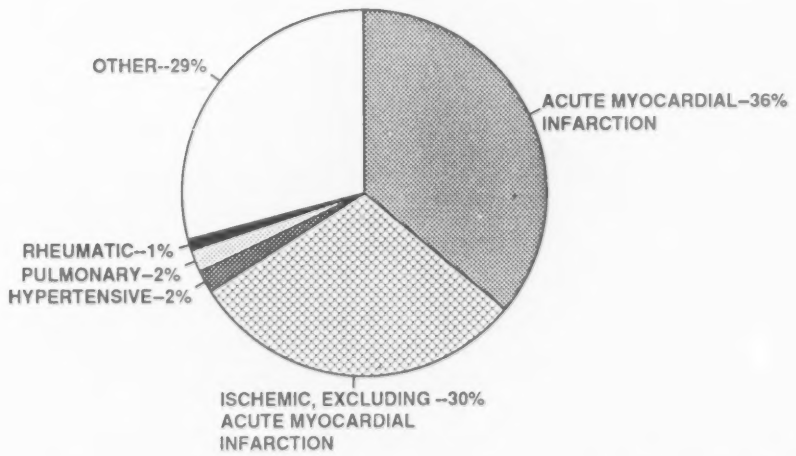


TABLE C-18A
MALIGNANT NEOPLASM DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	29,677	249.8	506,000**	201.7					
1989	29,064	241.4	497,220**	200.3	1969	22,124	187.4	323,092	160.4
1988	28,316	235.9	485,048	197.3	1968	22,065	187.7	318,547	159.8
1987	28,767	241.0	476,927	195.9	1967	21,450	184.2	310,983	157.2
1986	28,037	235.8	469,376	194.7	1966	21,182	182.0	303,736	155.1
1985	27,901	235.2	461,563	193.3	1965	20,767	180.0	297,588	153.5
1984	27,468	230.8	453,492	191.8	1964	20,611	179.9	289,577	151.3
1983	26,917	226.3	442,986	189.3	1963	20,316	177.8	285,362	151.3
1982	26,483	222.8	433,795	187.2	1962	20,003	175.8	278,562	149.9
1981	26,059	219.6	422,094	184.0	1961	19,933	173.8	273,502	149.4
1980	26,040	219.5	416,509	183.9	1960	19,612	173.3	267,627	149.2
1979	25,374	216.3	403,395	179.6	1959	19,218	169.7	260,047	147.3
1978	25,376	215.9	396,992	181.9	1958	18,856	169.9	254,426	146.8
1977	24,244	205.7	386,686	178.7	1957	19,066	170.8	253,183	148.7
1976	24,175	203.8	377,312	175.8	1956	18,726	168.2	247,357	147.9
1975	23,547	199.1	365,693	171.6	1955	18,259	164.0	240,681	146.5
1974	23,239	196.4	360,472	170.5	1954	17,974	165.0	234,669	145.6
1973	22,709	190.8	351,055	167.3	1953	17,531	161.9	229,079	144.7
1972	22,733	190.6	345,618	166.0	1952	17,335	161.5	223,277	143.3
1971	22,364	188.3	337,398	163.6	1951	16,678	157.4	215,525	140.5
1970	22,013	186.5	330,730	162.3	1950	16,326	155.2	210,733	139.8

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-12
MALIGNANT NEOPLASM DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

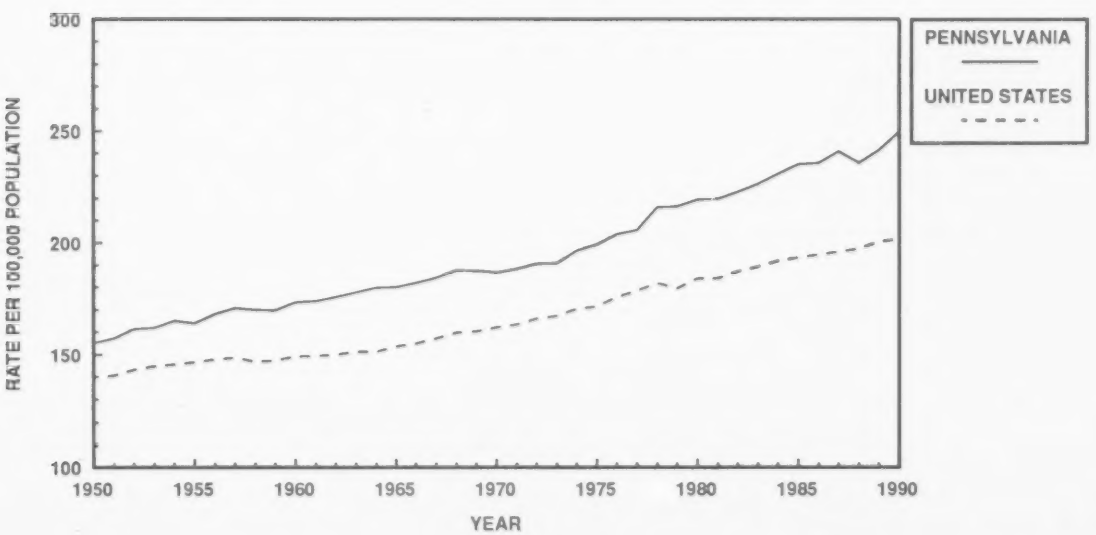


TABLE C-18B
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - MALES*
PENNSYLVANIA, 1990

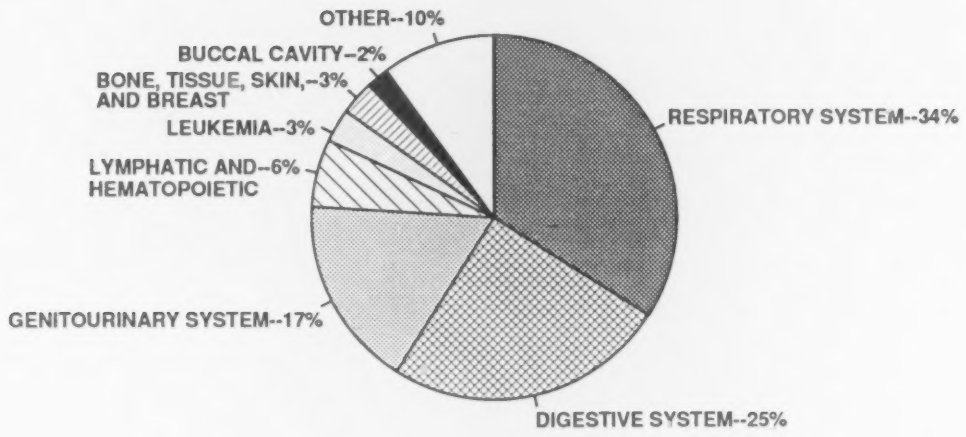
MALIGNANT NEOPLASM SITE**	ALL AGES	AGE AT DEATH (IN YEARS)								
		UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	15,334	16	34	49	133	338	961	2,960	5,372	5,471
BUCCAL CAVITY & PHARYNX	288	0	0	2	6	17	34	67	88	74
DIGESTIVE SYSTEM	3,809	2	1	2	13	69	228	715	1,397	1,382
RESPIRATORY SYSTEM	5,173	1	0	0	7	89	363	1,241	2,028	1,444
BONE, TISSUE, SKIN & BREAST	417	0	3	7	21	24	47	81	130	104
GENITOURINARY SYSTEM	2,661	0	1	2	12	23	51	294	786	1,492
OTHER & UNSPECIFIED SITES	1,567	9	14	15	30	47	130	319	516	487
LEUKEMIA	539	2	13	14	20	23	35	79	155	198
LYMPHATIC & HEMATOPOIETIC	880	2	2	7	24	46	73	164	272	290

TABLE C-18C
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - FEMALES
PENNSYLVANIA, 1990

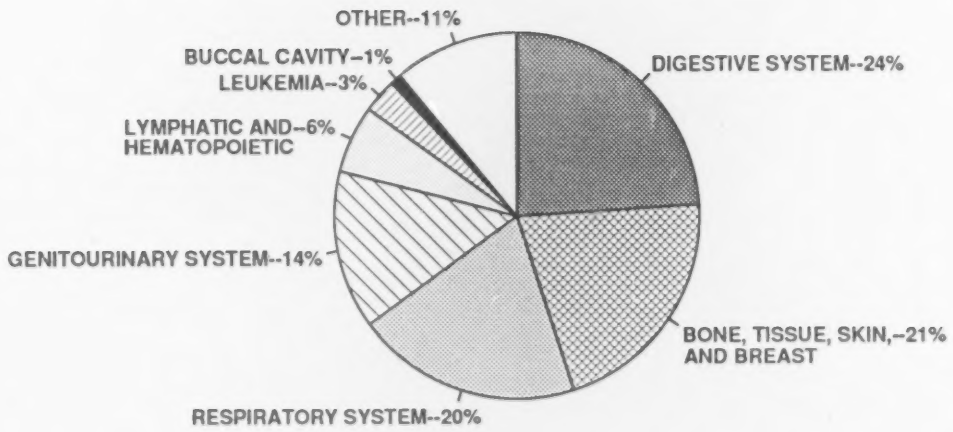
MALIGNANT NEOPLASM SITE**	ALL AGES	AGE AT DEATH (IN YEARS)								
		UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	14,343	8	16	25	140	432	1,035	2,507	4,303	5,877
BUCCAL CAVITY & PHARYNX	133	0	0	1	1	3	6	25	46	51
DIGESTIVE SYSTEM	3,440	0	0	1	7	40	151	465	993	1,783
RESPIRATORY SYSTEM	2,880	0	0	0	8	38	218	645	1,066	905
BONE, TISSUE, SKIN & BREAST	2,983	0	1	8	52	168	332	599	812	1,011
GENITOURINARY SYSTEM	2,040	0	0	3	23	96	168	356	593	801
OTHER & UNSPECIFIED SITES	1,578	5	11	6	20	43	91	232	442	728
LEUKEMIA	469	3	3	2	14	22	27	56	114	228
LYMPHATIC & HEMATOPOIETIC	820	0	1	4	15	22	42	129	237	370

* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-13
RESIDENT MALIGNANT NEOPLASM DEATHS BY SEX
PERCENT BY TYPE, PENNSYLVANIA, 1990



MALE



FEMALE

TABLE C-18D
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND RACE
NUMBER AND RATE*: PENNSYLVANIA, 1990

MALIGNANT NEOPLASM SITE**	ALL RACES	WHITE***		BLACK	
		NUMBER	RATE	NUMBER	RATE
TOTAL MALIGNANT NEOPLASMS	29,677	26,869	255.4	2,737	251.1
BUCCAL CAVITY & PHARYNX	421	355	3.4	62	5.7
DIGESTIVE SYSTEM	7,249	6,500	61.8	720	66.1
RESPIRATORY SYSTEM	8,053	7,223	68.7	815	74.8
BONE, TISSUE, SKIN & BREAST	3,400	3,146	29.9	249	22.8
GENITOURINARY SYSTEM	4,701	4,226	40.2	472	43.3
OTHER & UNSPECIFIED SITES	3,145	2,895	27.5	243	22.3
LEUKEMIA	1,008	938	8.9	67	6.1
LYMPHATIC & HEMATOPOIETIC	1,700	1,586	15.1	109	10.0

* RATE PER 100,000 POPULATION FOR EACH RACE.
** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLE:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203
***UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

FIGURE C-14
RESIDENT MALIGNANT NEOPLASM DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1990

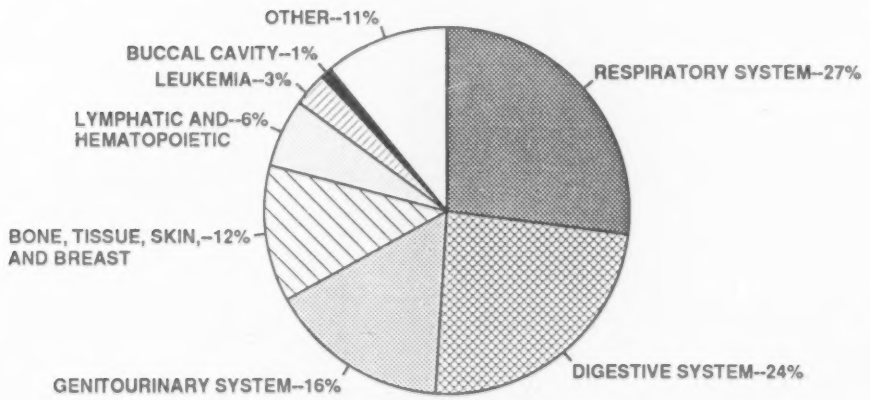


TABLE C-19A
DEATHS DUE TO UNINTENTIONAL INJURY, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	4,001	33.7	93,550**	37.3					
1989	4,365	36.3	94,780**	38.2	1969	5,362	45.4	116,385	57.8
1988	4,437	37.0	97,100	39.5	1968	5,589	47.5	114,864	57.6
1987	4,464	37.4	95,020	39.0	1967	5,459	46.9	113,169	57.2
1986	4,182	35.2	95,277	39.5	1966	5,223	44.9	113,563	58.0
1985	4,113	34.7	93,457	39.1	1965	5,351	46.4	108,004	55.7
1984	4,178	35.1	92,911	39.3	1964	5,165	45.1	103,843	54.3
1983	4,147	34.9	92,488	39.5	1963	5,154	45.1	100,669	53.4
1982	4,112	34.6	94,082	40.6	1962	5,024	44.2	97,139	52.3
1981	4,375	36.9	100,704	43.9	1961	4,762	41.5	92,249	50.4
1980	4,586	38.7	105,718	46.7	1960	4,866	43.0	93,806	52.3
1979	4,777	40.7	105,312	46.9	1959	5,036	44.5	92,080	52.2
1978	4,487	38.2	105,561	48.4	1958	5,056	45.5	90,604	52.3
1977	4,654	39.5	103,202	47.7	1957	5,374	48.1	95,307	56.0
1976	4,531	38.2	100,761	46.9	1956	5,430	48.8	94,780	56.7
1975	4,702	39.8	103,030	48.4	1955	5,659	50.8	93,443	56.9
1974	4,798	40.6	104,622	49.5	1954	5,472	50.2	90,032	55.9
1973	5,140	43.2	115,821	55.2	1953	5,747	53.1	95,032	60.0
1972	5,259	44.1	115,448	55.4	1952	5,783	53.9	96,172	61.7
1971	5,387	45.3	113,439	55.0	1951	5,831	55.0	95,871	62.5
1970	5,336	45.2	114,638	57.6	1950	5,697	54.2	91,249	60.6

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-15
UNINTENTIONAL INJURY DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

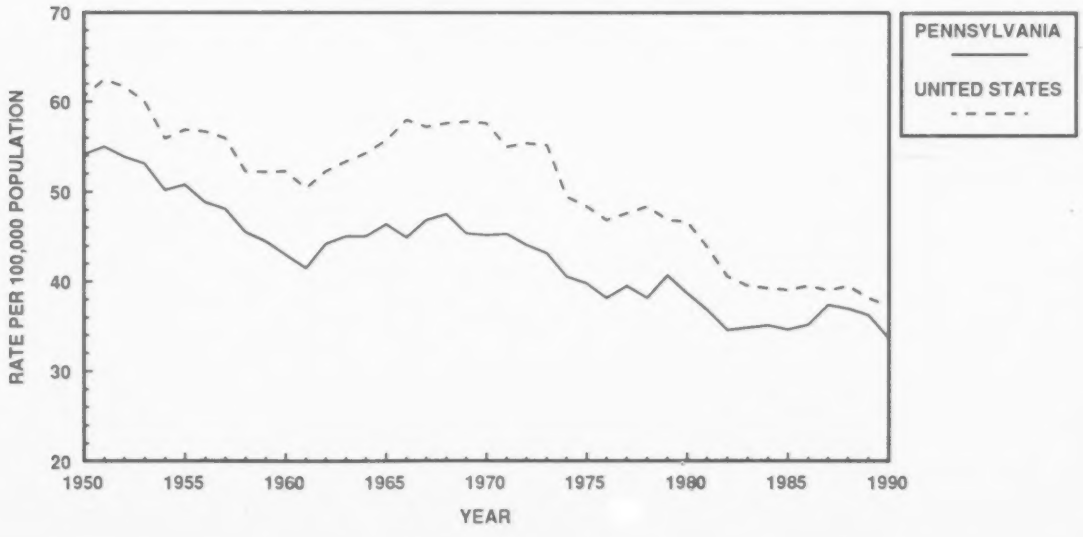


TABLE C-19B
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
BY TYPE AND AGE, PENNSYLVANIA, 1990

DEATHS BY TYPE OF UNINTENTIONAL INJURY*	ALL AGES	AGE AT DEATH (IN YEARS) UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ **
TOTAL	4,001	125	151	562	624	453	284	340	451	1,011
MOTOR VEHICLE	1,758	32	84	445	341	220	141	130	164	201
POISONING	400	0	2	36	133	121	24	21	23	40
SURGICAL COMPLICATIONS, ETC.	200	4	4	1	1	8	12	27	43	100
FALLS	620	5	3	10	24	18	20	50	101	389
FIRES	204	39	23	15	24	20	16	17	21	29
SUBMERSION, SUFFOCATION, ETC.	320	34	21	17	25	18	18	26	41	120
OTHER UNINTENTIONAL INJURIES	499	11	14	38	76	48	53	69	58	132

TABLE C-19C
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY BY TYPE AND SEX
NUMBER AND PERCENT: PENNSYLVANIA, 1990

DEATHS BY TYPE OF UNINTENTIONAL INJURY*	TOTAL	MALE *** NUMBER	MALE *** PERCENT	FEMALE NUMBER	FEMALE PERCENT
TOTAL	4,001	2,636	100.0	1,365	100.0
MOTOR VEHICLE	1,758	1,238	47.0	520	38.1
POISONING	400	307	11.6	93	6.8
SURGICAL COMPLICATIONS, ETC.	200	95	3.6	105	7.7
FALLS	620	314	11.9	306	22.4
FIRES	204	118	4.5	86	6.3
SUBMERSION, SUFFOCATION, ETC.	320	188	7.1	132	9.7
OTHER UNINTENTIONAL INJURIES	499	376	14.3	123	9.0

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
MOTOR VEHICLE=E810-E825
POISONING=E850-E869
SURGICAL COMPLICATIONS/MISADVENTURES=E870-E879
FALLS=E880-E888
FIRES=E890-E899
SUBMERSION, SUFFOCATION AND FOREIGN BODIES=E910-E915
OTHER UNINTENTIONAL INJURIES=E800-E807, E826-E848, E900-E909, E916-E49
** UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.
***UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-16
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY AGE GROUP, PENNSYLVANIA, 1990

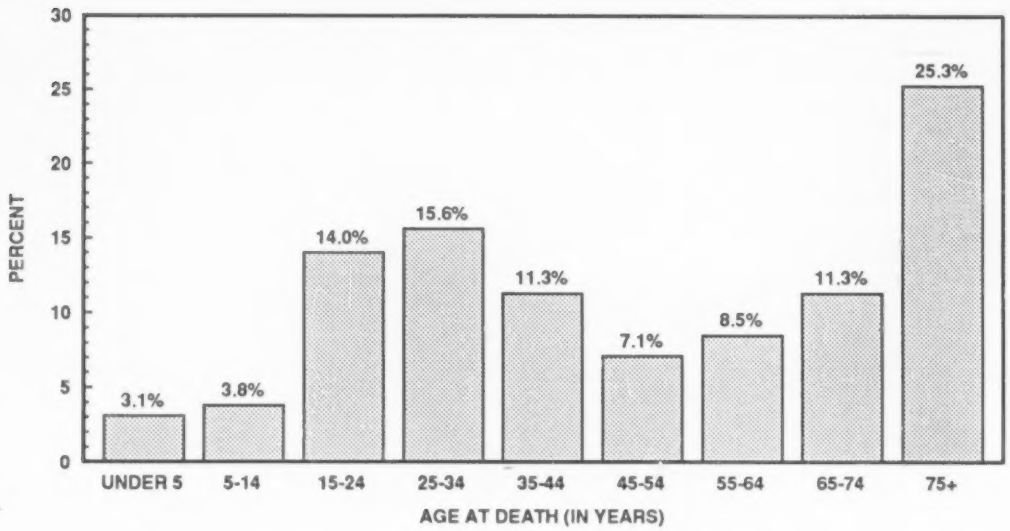


FIGURE C-17
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY TYPE, PENNSYLVANIA, 1990

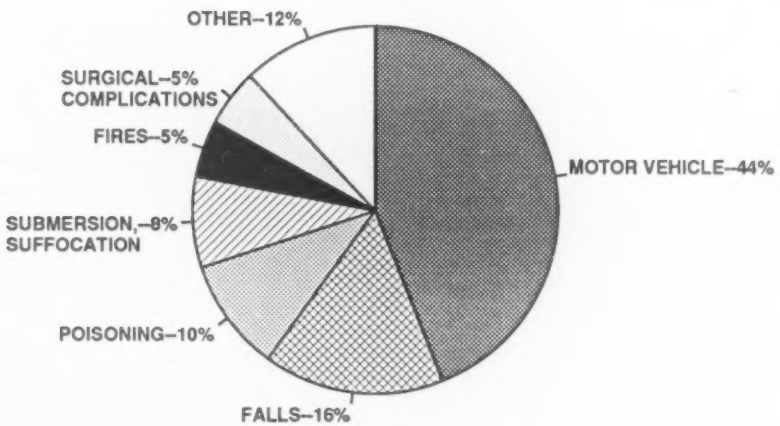


TABLE C-20
CEREBROVASCULAR DISEASE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	7,678	64.6	145,340**	57.9					
1989	7,683	63.8	147,470**	59.4	1969	12,444	105.4	207,179	102.6
1988	8,036	67.0	150,517	61.2	1968	12,994	110.5	211,390	105.8
1987	8,019	67.2	149,835	61.6	1967	12,295	105.6	202,184	102.2
1986	7,961	67.0	149,643	62.1	1966	12,685	109.0	204,841	104.6
1985	8,175	68.9	153,050	64.1	1965	12,466	108.1	201,057	103.7
1984	8,334	70.0	154,327	65.3	1964	12,268	107.1	198,209	103.6
1983	8,384	70.6	155,598	66.5	1963	12,669	110.9	201,166	106.7
1982	8,559	72.0	157,710	68.0	1962	12,623	111.0	197,451	106.3
1981	8,913	75.1	163,504	71.3	1961	12,598	109.9	192,951	105.5
1980	9,539	80.4	170,225	75.1	1960	12,632	111.6	193,588	108.0
1979	9,132	77.8	169,488	77.0	1959	12,780	112.9	191,376	108.5
1978	9,559	81.4	175,629	80.5	1958	12,700	114.4	190,758	110.1
1977	10,356	87.9	181,934	84.1	1957	12,755	114.2	187,709	110.2
1976	10,749	90.6	188,623	87.9	1956	11,997	107.8	177,845	106.3
1975	11,311	95.6	194,038	91.1	1955	12,210	109.7	174,142	106.0
1974	12,014	101.5	207,424	98.1	1954	11,529	105.8	167,777	104.1
1973	12,616	106.0	214,313	102.1	1953	11,921	110.1	169,800	107.3
1972	12,438	104.3	213,344	102.5	1952	11,704	109.1	166,331	106.8
1971	12,472	105.0	209,092	101.1	1951	11,475	108.3	163,550	106.6
1970	12,573	106.6	207,166	101.9	1950	11,043	105.0	156,751	104.0

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-18
CEREBROVASCULAR DISEASE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

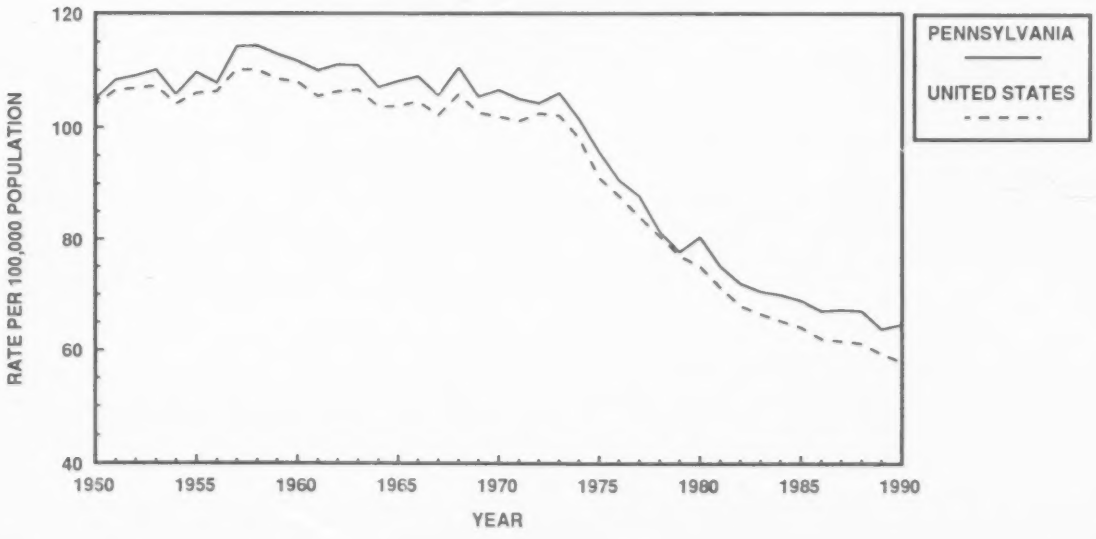


TABLE C-21
PNEUMONIA AND INFLUENZA DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	3,876	32.6	78,640**	31.3					
1989	3,949	32.8	75,240**	30.3	1969	3,896	33.0	68,365	33.9
1988	3,990	33.2	77,662	31.6	1968	4,340	36.9	73,492	36.9
1987	3,669	30.7	69,225	28.4	1967	3,225	27.7	56,892	28.8
1986	3,622	30.5	69,812	29.0	1966	3,515	30.2	63,615	32.5
1985	3,357	28.3	67,615	28.3	1965	3,709	32.2	61,903	31.9
1984	2,885	24.2	58,894	24.9	1964	3,393	29.6	59,451	31.1
1983	2,651	22.3	55,854	23.9	1963	4,294	37.6	70,761	37.5
1982	2,386	20.1	48,886	21.1	1962	3,529	31.0	59,995	32.3
1981	2,682	22.6	53,731	23.4	1961	3,247	28.3	55,175	30.1
1980	2,869	24.2	54,619	24.1	1960	3,889	34.3	66,803	37.3
1979	2,239	19.1	45,030	20.1	1959	3,293	29.1	55,039	31.2
1978	2,776	23.6	58,319	26.7	1958	3,494	31.5	57,439	33.1
1977	2,866	24.3	51,193	23.7	1957	3,833	34.3	61,001	35.8
1976	3,412	28.8	61,866	28.8	1956	2,996	26.9	47,103	28.2
1975	3,187	26.9	55,664	26.1	1955	2,862	25.7	44,510	27.1
1974	3,067	25.9	54,777	25.9	1954	2,406	22.1	40,991	25.4
1973	3,590	30.2	62,559	29.8	1953	3,061	28.3	52,238	33.0
1972	3,476	29.1	62,580	30.1	1952	3,113	29.0	46,265	29.7
1971	3,199	26.9	57,194	27.7	1951	3,379	31.9	48,169	31.4
1970	3,466	29.4	62,739	30.9	1950	3,116	29.6	47,120	31.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-19
PNEUMONIA AND INFLUENZA DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

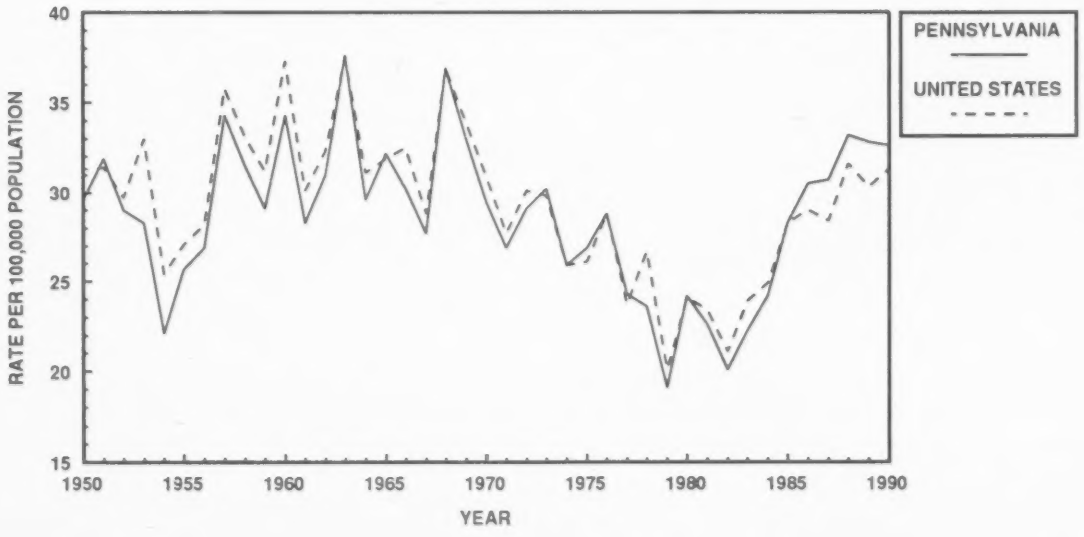


TABLE C-22A
SUICIDE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	1,446	12.2	30,780**	12.3					
1989	1,439	12.0	31,210**	12.6	1969	1,133	9.6	22,364	11.1
1988	1,479	12.3	30,407	12.4	1968	1,190	10.1	21,372	10.7
1987	1,489	12.5	30,796	12.7	1967	1,059	9.1	21,325	10.8
1986	1,443	12.1	30,904	12.8	1966	1,099	9.4	21,281	10.9
1985	1,432	12.1	29,453	12.3	1965	1,131	9.8	21,507	11.1
1984	1,408	11.8	29,286	12.4	1964	1,100	9.6	20,588	10.8
1983	1,340	11.3	28,295	12.1	1963	1,134	9.9	20,825	11.0
1982	1,344	11.3	28,242	12.2	1962	1,150	10.1	20,207	10.9
1981	1,310	11.0	27,596	12.0	1961	1,097	9.6	18,999	10.4
1980	1,317	11.1	26,869	11.9	1960	1,099	9.7	19,041	10.6
1979	1,346	11.5	27,206	12.1	1959	1,100	9.9	18,633	10.6
1978	1,396	11.9	27,294	12.5	1958	1,113	10.0	18,519	10.7
1977	1,430	12.1	28,681	13.3	1957	1,044	9.3	16,632	9.8
1976	1,371	11.6	26,832	12.5	1956	1,121	10.1	16,727	10.0
1975	1,377	11.6	27,063	12.7	1955	1,035	9.3	16,760	10.2
1974	1,318	11.1	25,683	12.1	1954	988	9.1	16,356	10.1
1973	1,342	11.3	25,118	12.0	1953	1,006	9.3	15,947	10.1
1972	1,349	11.3	25,004	12.0	1952	1,028	9.6	15,567	10.0
1971	1,271	10.7	24,092	11.7	1951	1,083	10.2	15,909	10.4
1970	1,337	11.3	23,480	11.6	1950	1,101	10.5	17,145	11.4

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-20
SUICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

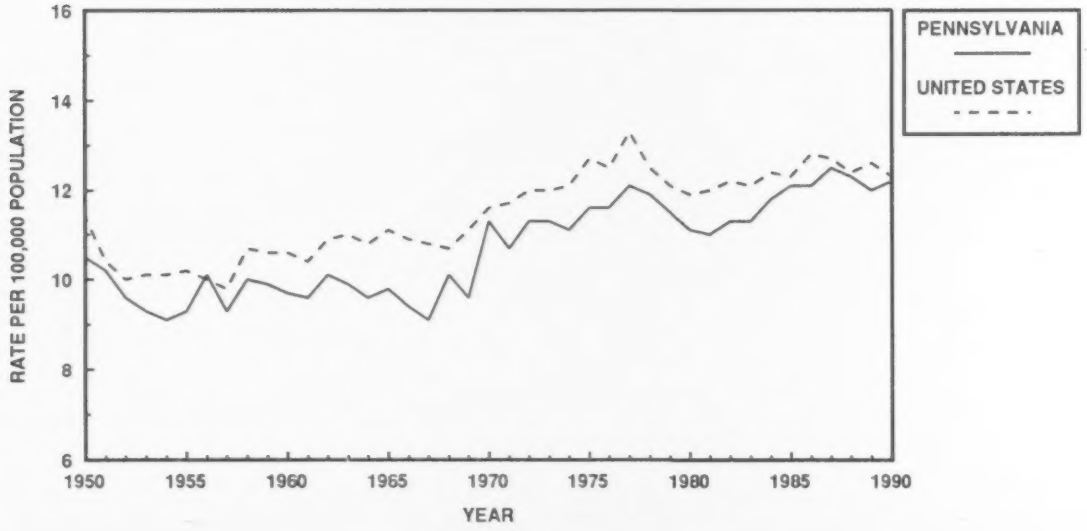


TABLE C-22B
RESIDENT SUICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			BLACK		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	1,446	1,173	273	1,337	1,088	249	96	78	18
UNDER 15	9	9	0	9	9	0	0	0	0
15-24	212	191	21	196	176	20	11	11	0
25-34	317	259	58	276	229	47	37	29	8
35-44	251	189	62	228	171	57	22	18	4
45-54	170	136	34	161	128	33	9	8	1
55-64	170	132	38	164	128	36	6	4	2
65-74	164	129	35	155	123	32	8	6	2
75+ ***	153	128	25	148	124	24	3	2	1

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-21
RESIDENT SUICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1990

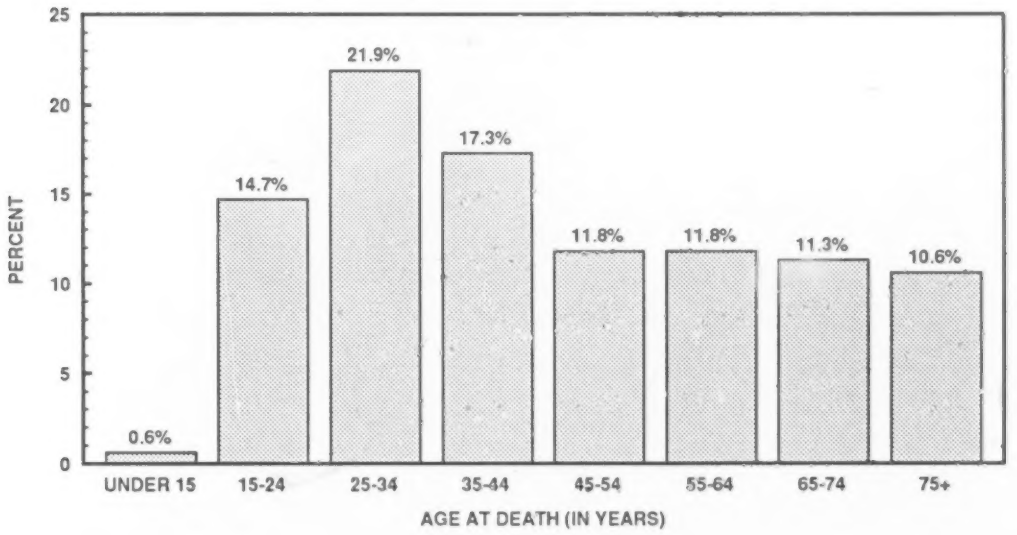


TABLE C-23A
HOMICIDE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1990

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1990	824	6.9	25,700**	10.2					
1989	782	6.5	23,020**	9.3	1969	516	4.4	15,477	7.7
1988	666	5.5	22,032	9.0	1968	473	4.0	14,686	7.4
1987	644	5.4	21,103	8.7	1967	459	3.9	13,425	6.8
1986	658	5.5	21,731	9.0	1966	389	3.3	11,606	5.9
1985	588	5.0	19,893	8.3	1965	388	3.4	10,712	5.5
1984	580	4.9	19,796	8.4	1964	403	3.5	9,814	5.1
1983	613	5.2	20,191	8.6	1963	288	2.5	9,225	4.9
1982	713	6.0	22,358	9.6	1962	318	2.8	9,013	4.8
1981	768	6.5	23,646	10.3	1961	304	2.7	8,578	4.7
1980	827	7.0	24,278	10.7	1960	302	2.7	8,464	4.7
1979	760	6.5	22,550	10.0	1959	286	2.5	8,159	4.6
1978	736	6.3	20,432	9.4	1958	273	2.5	7,815	4.5
1977	668	5.7	19,968	9.2	1957	258	2.3	7,641	4.5
1976	746	6.3	19,554	9.1	1956	279	2.5	7,629	4.6
1975	843	7.1	21,310	10.0	1955	248	2.2	7,418	4.5
1974	859	7.3	21,465	10.2	1954	304	2.8	7,735	4.8
1973	826	6.9	20,465	9.8	1953	288	2.6	7,640	4.8
1972	761	6.4	19,638	9.4	1952	288	2.7	8,054	5.2
1971	749	6.3	18,787	9.1	1951	296	2.8	7,495	4.9
1970	657	5.6	16,848	8.3	1950	284	2.7	7,942	5.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-22
HOMICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

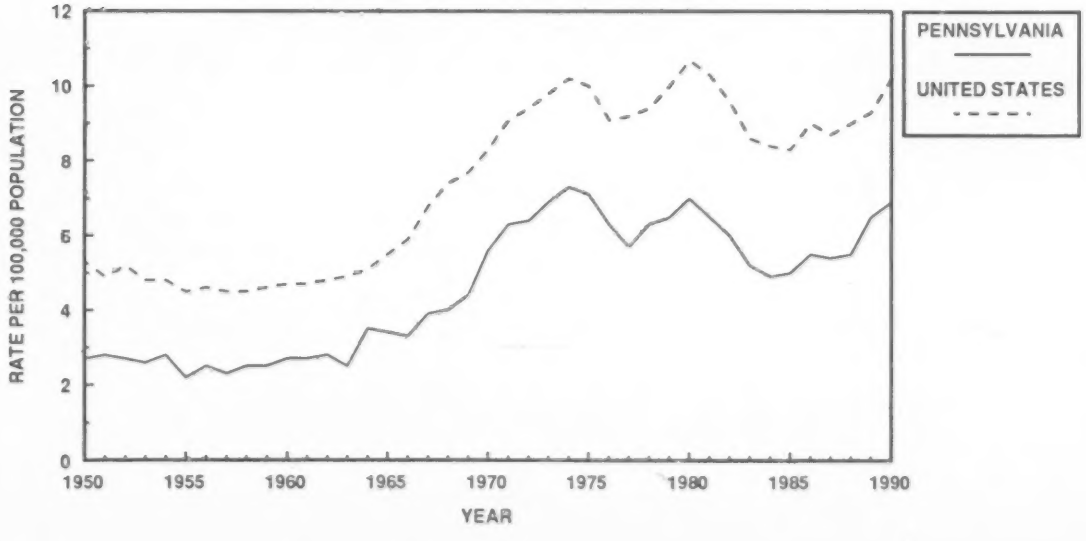


TABLE C-23B
RESIDENT HOMICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1990

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			BLACK		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	824	636	188	332	225	107	481	403	78
UNDER 15	50	32	18	30	21	9	20	11	9
15-24	232	197	35	75	54	21	154	140	14
25-34	259	201	58	89	58	31	167	142	25
35-44	141	110	31	55	39	16	82	68	14
45-54	58	46	12	30	22	8	28	24	4
55-64	33	21	12	20	13	7	13	8	5
65-74	28	18	10	18	11	7	9	6	3
75+ ***	23	11	12	15	7	8	8	4	4

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-23
RESIDENT HOMICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1990

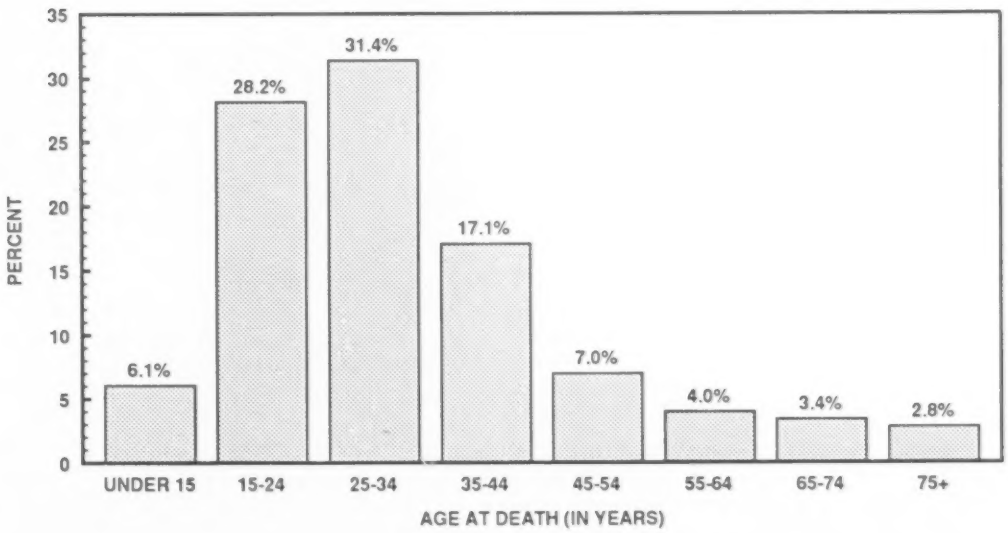


TABLE C-24
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA, 1990

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
ALL COUNTIES	171,053	14.4	121,081	10.2	1,627	9.5	1,077	6.3	1,955	11.3
ADAMS	1,132	14.5	640	8.2	9	8.0	8	7.1	12	10.5
ALLEGHENY	18,076	13.5	15,299	11.4	170	9.4	118	6.5	228	12.5
ARMSTRONG	890	12.1	851	11.6	9	10.1	5	5.6	12	13.3
BEAVER	2,437	13.1	1,918	10.3	23	9.4	20	8.2	25	10.2
BEDFORD	560	11.7	417	8.7	4	7.1	3	5.4	8	14.1
BERKS	4,954	14.7	3,273	9.7	44	8.9	32	6.5	46	9.2
BLAIR	1,603	12.3	1,530	11.7	16	10.0	11	6.9	13	8.0
BRADFORD	901	14.8	574	9.4	3	3.3	2	2.2	7	7.7
BUCKS	8,038	14.9	3,999	7.4	52	6.5	35	4.4	67	8.3
BUTLER	2,051	13.5	1,414	9.3	17	8.3	13	6.3	24	11.6
CAMBRIA	1,897	11.6	1,783	10.9	15	7.9	10	5.3	21	10.9
CAMERON	87	14.7	62	10.5	1	11.5	1	11.5	3	33.3
CARBON	646	11.4	645	11.3	4	6.2	3	4.6	7	10.7
CENTRE	1,525	12.3	729	5.9	15	9.8	11	7.2	16	10.4
CHESTER	5,902	15.7	2,567	6.8	49	8.3	31	5.3	37	6.2
CLARION	497	11.9	358	8.6	3	6.0	3	6.0	5	10.0
CLEARFIELD	994	12.7	838	10.7	11	11.1	6	6.0	13	12.9
CLINTON	470	12.6	399	10.7	6	12.8	2	4.3	9	18.8
COLUMBIA	750	11.9	673	10.6	9	12.0	7	9.3	7	9.2
CRAWFORD	1,138	13.2	859	10.0	13	11.4	9	7.9	15	13.0
CUMBERLAND	2,431	12.5	1,650	8.5	21	8.6	18	7.4	27	11.0
DAUPHIN	3,688	15.5	2,309	9.7	33	8.9	22	6.0	50	13.4
DELAWARE	8,429	15.4	5,475	10.0	70	8.3	42	5.0	75	8.8
ELK	470	13.5	375	10.8	6	12.8	5	10.6	5	10.5
ERIE	4,205	15.3	2,602	9.4	58	13.8	38	9.0	44	10.4
FAYETTE	1,877	12.9	1,729	11.9	21	11.2	13	6.9	36	18.8
FOREST	52	10.8	78	16.2	0	-	0	-	1	18.9
FRANKLIN	1,546	12.8	1,069	8.8	12	7.8	5	3.2	12	7.7
FULTON	150	10.8	108	7.8	3	20.0	1	6.7	2	13.2
GREENE	446	11.3	403	10.2	1	2.2	0	-	6	13.3
HUNTINGDON	523	11.8	428	9.7	5	9.6	4	7.6	7	13.2
INDIANA	1,046	11.6	827	9.2	7	6.7	4	3.8	13	12.3
JEFFERSON	586	12.7	532	11.5	3	5.1	2	3.4	3	5.1
JUNIATA	264	12.8	228	11.1	2	7.6	0	-	5	18.6
LACKAWANNA	2,664	12.2	2,725	12.4	14	5.3	11	4.1	18	6.7
LANCASTER	7,280	17.2	3,487	8.2	72	9.9	40	5.5	76	10.3
LAWRENCE	1,143	11.9	1,134	11.8	7	6.1	5	4.4	14	12.1
LEBANON	1,524	13.4	1,055	9.3	14	9.2	8	5.2	15	9.7
LEHIGH	4,147	14.2	2,748	9.4	29	7.0	19	4.6	57	13.6
LUZERNE	3,793	11.6	4,211	12.8	25	6.6	16	4.2	30	7.8
LYCOMING	1,705	14.4	1,127	9.5	14	8.2	9	5.3	16	9.3
MCKEAN	623	13.2	560	11.9	9	14.4	5	8.0	5	8.0
MERCER	1,461	12.1	1,369	11.3	10	6.8	6	4.1	14	9.5
MIFFLIN	675	14.6	485	10.5	6	8.9	4	5.9	7	10.3
MONROE	1,495	15.6	835	8.7	13	8.7	6	4.0	15	9.9
MONTGOMERY	9,921	14.6	5,887	8.7	70	7.1	44	4.4	102	10.2
MONTOUR	249	14.0	224	12.6	1	4.0	1	4.0	1	4.0
NORTHAMPTON	3,376	13.7	2,178	8.8	23	6.8	1	4.7	27	7.9
NORTHUMBERLAND	1,167	12.1	1,263	13.1	11	9.4	9	7.7	15	12.7
PERRY	609	14.8	324	7.9	3	4.9	2	3.3	9	14.6
PHILADELPHIA	29,714	18.7	19,385	12.2	459	15.4	306	10.3	452	15.0
PIKE	434	15.5	245	8.8	1	2.3	1	2.3	3	6.9
POTTER	242	14.5	181	10.8	2	8.3	2	8.3	0	-
SCHUYLKILL	1,794	11.8	1,979	13.0	10	5.6	7	3.9	18	9.9
SNYDER	535	14.6	301	8.2	6	11.2	2	3.7	6	11.1
SOMERSET	914	11.7	773	9.9	10	10.9	7	7.7	11	11.9
SULLIVAN	55	9.0	88	14.4	1	18.2	0	-	0	-
SUSQUEHANNA	612	15.2	377	9.3	4	6.5	3	4.9	5	8.1
TIOGA	524	12.7	428	10.4	6	11.5	3	5.7	4	7.6
UNION	414	11.4	293	8.1	3	7.2	1	2.4	8	19.0
VENANGO	787	13.3	614	10.3	7	8.9	3	3.8	10	12.5
WARREN	566	12.6	453	10.1	2	3.5	1	1.8	10	17.4
WASHINGTON	2,413	11.8	2,279	11.1	16	6.6	10	4.1	33	13.5
WAYNE	559	14.0	460	11.5	2	3.6	0	-	7	12.4
WESTMORELAND	4,386	11.8	3,971	10.7	30	6.8	25	5.7	58	13.1
WYOMING	386	13.7	228	8.1	1	2.6	0	-	1	2.6
YORK	4,625	13.6	2,773	8.2	31	6.7	21	4.5	47	10.1

* BIRTH AND TOTAL DEATH CRUDE RATES PER 1,000 POPULATION, 1990. INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS. FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).

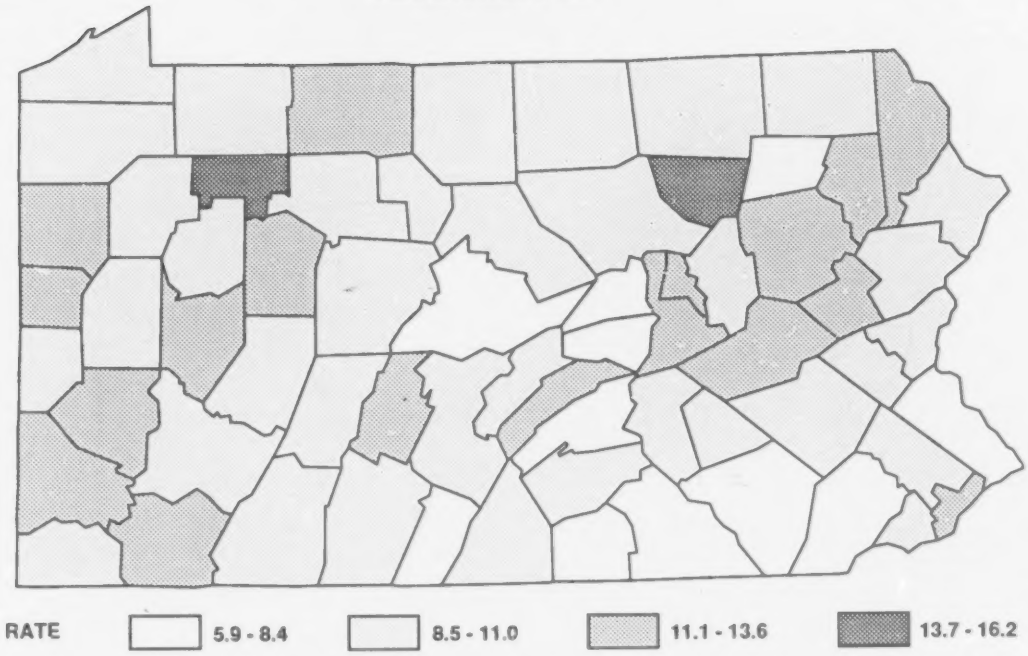
**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

TABLE C-25
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS BY COUNTY
NUMBER AND AVERAGE ANNUAL RATE*: PENNSYLVANIA, 1986-1990

	ALL DEATHS 1986-1990		INFANT DEATHS 1986-1990		NEONATAL DEATHS 1986-1990	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	618,212	10.3	8,220	9.9	5,588	6.8
ADAMS	3,373	9.1	38	7.3	29	5.6
ALLEGHENY	77,871	11.5	957	10.8	717	8.1
ARMSTRONG	4,317	11.2	49	10.9	35	7.8
BEAVER	9,835	10.3	100	8.7	71	6.2
BEDFORD	2,352	9.8	23	8.1	17	6.0
BERKS	16,796	10.2	210	9.3	144	6.4
BLAIR	7,907	12.0	74	9.2	49	6.1
BRADFORD	2,931	9.2	19	4.3	12	2.7
BUCKS	20,019	7.5	272	7.0	188	4.9
BUTLER	7,080	9.3	98	9.7	76	7.5
CAMBRIA	9,448	11.2	75	8.2	45	4.9
CAMERON	333	10.5	5	11.1	2	4.4
CARBON	3,263	11.7	22	6.8	14	4.3
CENTRE	3,696	6.3	65	9.1	47	6.5
CHESTER	13,042	7.3	192	7.0	125	4.5
CLARION	2,010	9.6	16	6.3	10	4.0
CLEARFIELD	4,369	10.8	56	10.7	32	6.1
CLINTON	1,947	10.3	22	10.0	11	5.0
COLUMBIA	3,267	10.6	31	8.5	20	5.5
CRAWFORD	4,408	10.2	64	11.3	40	7.1
CUMBERLAND	8,140	8.4	90	8.0	63	5.6
DAUPHIN	11,813	9.9	185	10.3	134	7.5
DELAWARE	28,264	10.1	331	8.1	236	5.8
ELK	1,868	10.2	16	6.5	13	5.3
ERIE	12,971	9.4	216	10.7	147	7.3
FAYETTE	8,918	11.8	82	9.0	58	6.4
FOREST	336	14.1	2	7.6	2	7.6
FRANKLIN	5,244	8.7	60	7.7	31	4.0
FULTON	602	8.5	9	9.8	5	5.5
GREENE	2,102	10.5	25	10.5	13	5.5
HUNTINGDON	2,099	9.7	20	7.6	16	6.1
INDIANA	4,100	8.9	65	12.4	46	8.8
JEFFERSON	2,697	11.3	26	8.6	20	6.6
JUNIATA	1,049	10.3	13	9.7	5	3.7
LACKAWANNA	13,946	12.6	92	6.9	66	5.0
LANCASTER	17,205	8.4	312	9.2	205	6.1
LAWRENCE	5,579	11.1	47	8.1	27	4.7
LEBANON	5,670	10.0	59	7.9	38	5.1
LEHIGH	13,780	9.6	161	8.2	118	6.0
LUZERNE	21,815	13.2	145	7.7	99	5.2
LYCOMING	5,729	9.7	70	8.6	43	5.3
MCKEAN	2,852	12.3	25	8.5	14	4.8
MERCER	6,598	10.8	56	7.8	31	4.3
MIFFLIN	2,417	10.4	26	8.0	17	5.2
MONROE	3,969	8.7	53	8.5	31	5.0
MONTGOMERY	30,591	9.0	354	7.5	245	5.2
MONTOUR	1,071	12.7	8	6.5	5	4.1
NORTHAMPTON	11,108	9.2	125	8.1	83	5.4
NORTHUMBERLAND	6,192	12.6	34	5.8	23	3.9
PERRY	1,634	8.1	17	5.8	10	3.4
PHILADELPHIA	101,495	12.4	2,378	16.5	1,563	10.8
PIKE	1,217	9.4	9	5.4	7	4.2
POTTER	928	10.5	13	10.9	8	6.7
SCHUYLKILL	10,292	13.3	68	7.9	45	5.2
SNYDER	1,497	8.3	24	9.1	16	6.1
SOMERSET	4,197	10.5	49	10.2	29	6.0
SULLIVAN	440	13.9	1	3.4	0	-
SUSQUEHANNA	1,951	9.6	13	4.7	8	2.9
TIOGA	2,011	9.9	23	9.1	13	5.2
UNION	1,488	8.5	17	7.8	11	5.0
VENANGO	3,166	10.4	36	9.5	23	6.0
WARREN	2,361	10.4	23	7.8	17	5.7
WASHINGTON	11,554	11.1	100	8.5	73	6.2
WAYNE	2,171	10.9	15	5.8	11	4.3
WESTMORELAND	19,544	10.4	144	6.7	115	5.3
WYOMING	1,173	8.4	18	9.5	10	5.3
YORK	14,104	8.4	177	7.6	111	4.8

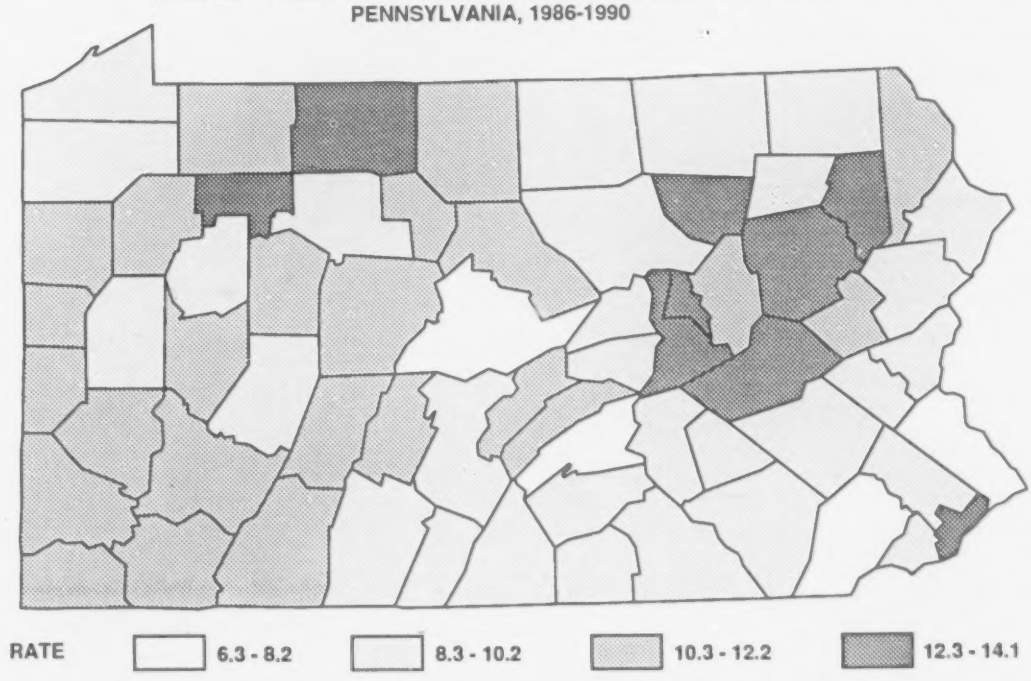
* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH COUNTY, 1986-1990.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH COUNTY, 1986-1990.

FIGURE C-24
RESIDENT CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, 1990



NOTE: RATE PER 1,000 POPULATION, 1990. SEE TABLE C-24 FOR COUNTY RATES.

FIGURE C-25
RESIDENT AVERAGE ANNUAL CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, 1986-1990



NOTE: RATE PER 1,000 POPULATION, 1986-1990. SEE TABLE C-25 FOR COUNTY RATES.

FIGURE C-26
RESIDENT AVERAGE ANNUAL INFANT DEATH RATES BY COUNTY
PENNSYLVANIA, 1986-1990

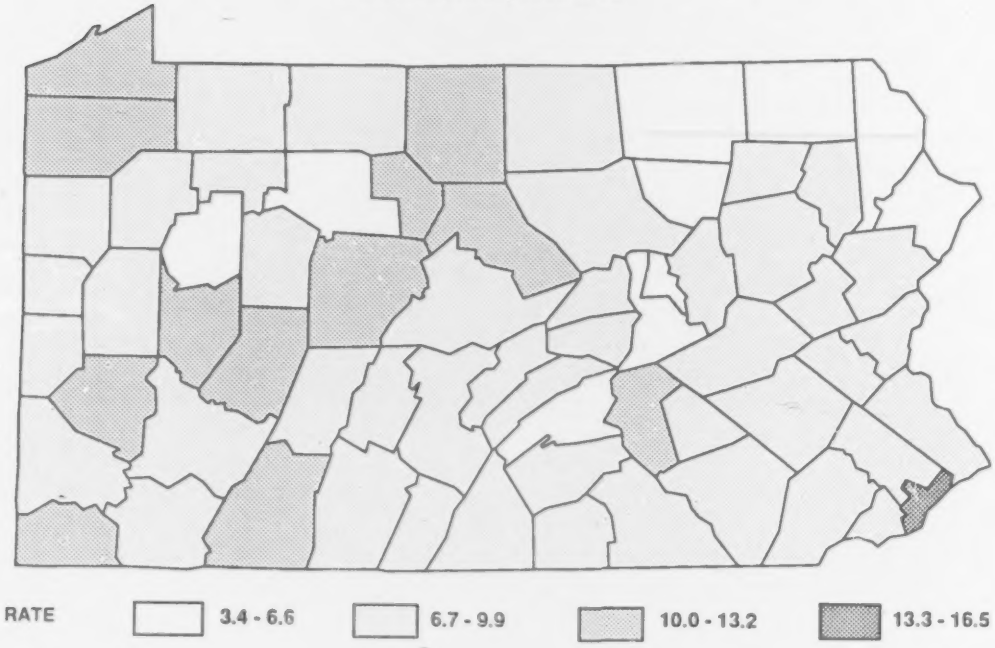
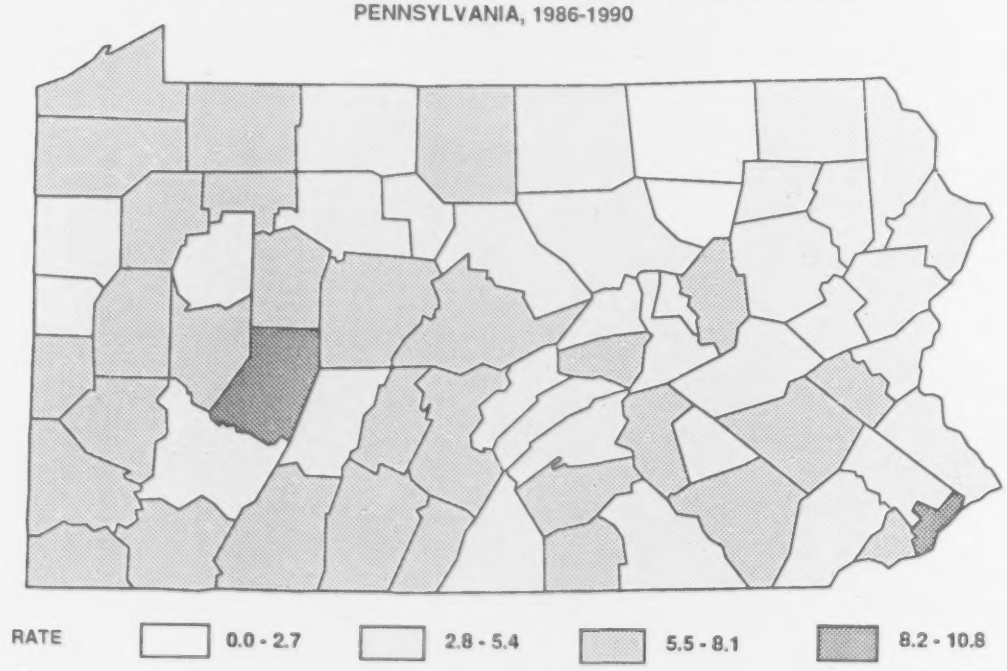


FIGURE C-27
RESIDENT AVERAGE ANNUAL NEONATAL DEATH RATES BY COUNTY
PENNSYLVANIA, 1986-1990



NOTE: RATE PER 1,000 LIVE BIRTHS, 1986-1990. SEE TABLE C-25 FOR COUNTY RATES.

TABLE C-26
AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1990

COUNTY	TOTAL	MALE**	FEMALE	COUNTY	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.2	6.8	4.0				
ADAMS	4.1	5.6	2.9	JUNIATA	5.4	7.3	4.0
ALLEGHENY	5.3	7.0	4.1	LACKAWANNA	5.2	7.1	3.9
ARMSTRONG	5.4	6.9	4.1	LANCASTER	4.4	5.5	3.5
BEAVER	5.0	6.5	3.8	LAWRENCE	5.1	6.6	3.9
BEDFORD	4.5	6.0	3.3	LEBANON	4.6	5.9	3.5
BERKS	4.6	6.0	3.6	LEHIGH	4.6	6.0	3.5
BLAIR	5.4	7.3	3.9	LUZERNE	5.3	7.1	4.0
BRADFORD	4.7	6.3	3.3	LYCOMING	4.8	6.3	3.7
BUCKS	4.7	5.9	3.8	MCKEAN	5.3	6.8	4.1
BUTLER	5.0	6.4	3.8	MERCER	5.2	6.8	3.9
CAMBRIA	4.7	6.3	3.5	MIFFLIN	5.1	7.0	3.6
CAMERON	5.2	7.4	3.3	MONROE	5.1	6.7	3.6
CARBON	4.8	6.2	3.6	MONTGOMERY	4.2	5.3	3.4
CENTRE	4.6	5.9	3.6	MONTOUR	5.7	7.2	4.5
CHESTER	4.4	5.4	3.6	NORTHAMPTON	4.5	5.9	3.4
CLARION	4.3	5.8	3.1	NORTHUMBERLAND	5.6	7.4	4.2
CLEARFIELD	5.1	6.9	3.7	PERRY	5.4	6.9	3.9
CLINTON	5.5	7.1	4.2	PHILADELPHIA	7.2	9.8	5.2
COLUMBIA	5.3	7.1	3.9	PIKE	4.6	5.4	3.9
CRAWFORD	4.9	5.9	4.2	POTTER	5.1	6.4	4.3
CUMBERLAND	4.5	5.8	3.5	SCHUYLKILL	5.4	7.5	3.8
DAUPHIN	5.3	6.9	4.0	SNYDER	4.8	6.2	3.7
DELAWARE	5.1	6.6	4.0	SOMERSET	4.4	5.7	3.5
ELK	5.0	6.5	3.8	SULLIVAN	5.2	7.5	3.3
ERIE	5.3	6.6	4.3	SUSQUEHANNA	4.5	6.0	3.2
FAYETTE	5.5	7.5	3.9	TIOGA	5.1	7.3	3.3
FOREST	6.0	7.3	4.7	UNION	4.3	4.8	4.1
FRANKLIN	4.3	5.5	3.4	VENANGO	5.1	6.7	3.9
FULTON	4.9	6.7	3.4	WARREN	4.8	6.0	3.9
GREENE	5.1	7.3	3.3	WASHINGTON	5.1	6.8	3.8
HUNTINGDON	5.4	6.9	4.1	WAYNE	5.4	6.5	4.4
INDIANA	5.0	6.5	3.8	WESTMORELAND	4.9	6.4	3.8
JEFFERSON	5.0	6.6	3.7	WYOMING	4.8	6.6	3.4
				YORK	4.5	5.7	3.4

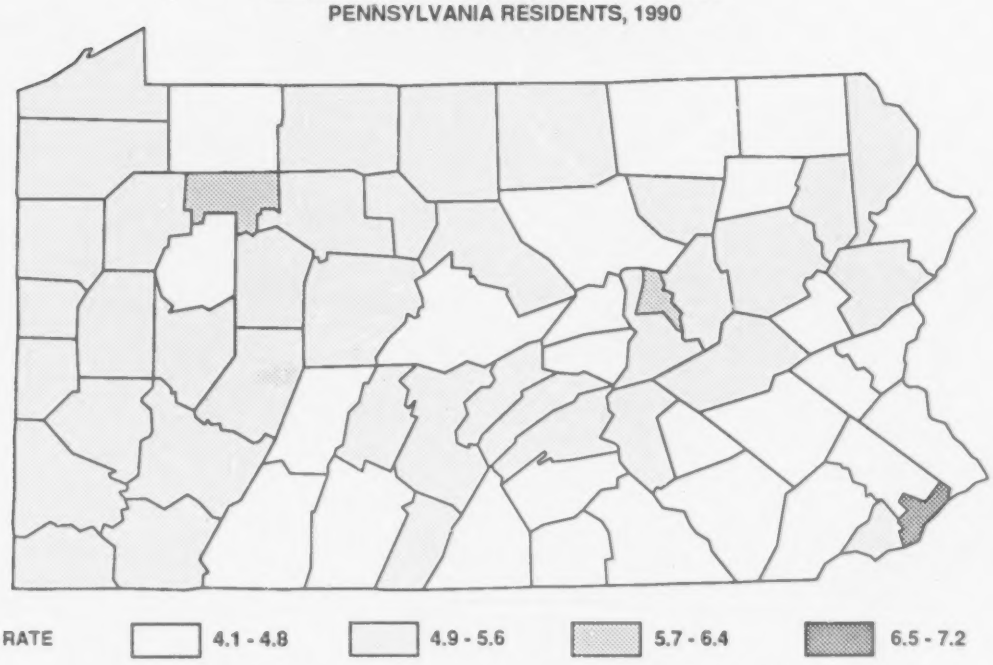
* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATE PER 1,000 POPULATION.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

TABLE C-27
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1986-1990

COUNTY	TOTAL	MALE**	FEMALE	COUNTY	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.4	7.1	4.1				
ADAMS	5.0	6.3	3.8	JUNIATA	5.4	6.9	4.2
ALLEGHENY	5.5	7.2	4.2	LACKAWANNA	5.4	7.4	4.0
ARMSTRONG	5.2	6.7	4.0	LANCASTER	4.6	5.8	3.6
BEAVER	5.2	6.6	4.0	LAWRENCE	4.9	6.4	3.7
BEDFORD	5.1	6.8	3.7	LEBANON	5.2	6.9	3.9
BERKS	4.9	6.4	3.7	LEHIGH	4.9	6.5	3.7
BLAIR	5.7	7.7	4.1	LUZERNE	5.7	7.8	4.2
BRADFORD	4.8	6.4	3.5	LYCOMING	4.9	6.5	3.7
BUCKS	5.1	6.4	4.0	MCKEAN	5.3	6.8	4.1
BUTLER	5.3	6.7	4.0	MERCER	5.1	6.5	4.0
CAMBRIA	5.2	6.9	3.8	MIFFLIN	5.3	7.2	3.9
CAMERON	5.2	6.7	4.0	MONROE	5.1	6.6	3.6
CARBON	5.4	7.0	3.9	MONTGOMERY	4.4	5.6	3.5
CENTRE	4.7	6.1	3.7	MONTOUR	5.6	7.0	4.4
CHESTER	4.8	6.2	3.7	NORTHAMPTON	4.6	6.0	3.6
CLARION	5.2	6.8	3.8	NORTHUMBERLAND	5.4	7.4	4.0
CLEARFIELD	5.5	7.2	4.1	PERRY	5.4	7.0	4.1
CLINTON	5.4	7.1	4.0	PHILADELPHIA	7.2	9.9	5.3
COLUMBIA	5.2	6.7	3.9	PIKE	4.5	5.8	3.4
CRAWFORD	5.1	6.7	3.9	POTTER	5.1	6.2	4.2
CUMBERLAND	4.6	6.0	3.6	SCHUYLKILL	5.8	7.8	4.2
DAUPHIN	5.4	7.2	4.1	SNYDER	5.1	6.6	3.9
DELAWARE	5.2	6.7	4.1	SOMERSET	5.1	6.8	3.7
ELK	5.1	6.7	3.9	SULLIVAN	5.7	7.4	4.1
ERIE	5.4	6.9	4.2	SUSQUEHANNA	5.0	6.6	3.6
FAYETTE	5.7	7.7	4.2	TIOGA	5.0	6.6	3.6
FOREST	5.8	6.7	4.9	UNION	4.8	5.9	4.0
FRANKLIN	4.7	6.1	3.6	VENANGO	5.5	7.3	4.0
FULTON	5.3	7.2	3.6	WARREN	5.1	6.4	4.0
GREENE	5.4	7.2	4.0	WASHINGTON	5.3	6.9	4.0
HUNTINGDON	5.6	7.6	4.0	WAYNE	5.1	6.5	3.8
INDIANA	5.2	6.6	4.1	WESTMORELAND	5.1	6.7	3.8
JEFFERSON	5.2	6.6	4.1	WYOMING	5.0	6.4	3.9
				YORK	4.8	6.1	3.7

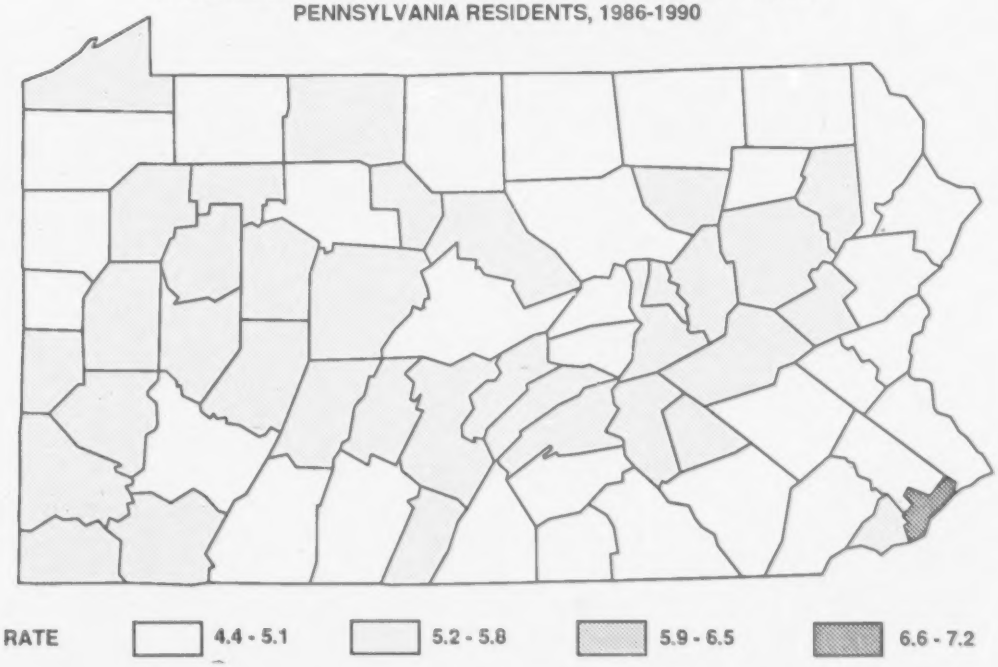
* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATE PER 1,000 POPULATION.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-28
AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1990



NOTE: SEE TABLE C-26 FOR COUNTY RATES AND THE DEFINITION OF RATE.

FIGURE C-29
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1986-1990



NOTE: SEE TABLE C-27 FOR COUNTY RATES AND THE DEFINITION OF RATE.

TABLE C-28
AVERAGE ANNUAL AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY COUNTY, PENNSYLVANIA RESIDENTS, 1986-1990

COUNTY	HEART DISEASE	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	CHRONIC OBSTR. PULM. DISEASE	UNINTENTIONAL INJURIES
ALL COUNTIES	175.8	141.2	27.2	17.7	29.6
ADAMS	168.0	129.4	25.7	16.6	32.4
ALLEGHENY	182.7	151.2	27.3	18.7	21.9
ARMSTRONG	188.4	134.3	23.4	18.4	30.0
BEAVER	176.7	143.3	23.8	15.9	26.6
BEDFORD	178.8	124.0	29.9	16.5	45.5
BERKS	149.5	131.1	24.9	18.1	30.1
BLAIR	206.6	141.1	28.0	21.4	33.9
BRADFORD	154.0	108.9	20.9	19.8	49.2
BUCKS	155.1	135.2	28.9	18.5	26.0
BUTLER	180.3	140.2	25.2	21.4	32.1
CAMBRIA	184.4	129.1	25.9	18.3	30.7
CAMERON	135.9	111.1	42.6	17.0	49.6
CARBON	185.9	137.3	24.6	17.5	38.1
CENTRE	170.3	128.4	25.0	19.4	23.5
CHESTER	151.6	134.9	25.9	18.3	28.3
CLARION	196.8	120.1	34.9	19.1	28.3
CLEARFIELD	194.8	135.8	23.3	23.3	40.9
CLINTON	181.0	141.9	30.0	26.3	41.2
COLUMBIA	181.3	127.3	32.1	19.9	27.6
CRAWFORD	172.5	125.4	27.4	23.5	36.0
CUMBERLAND	157.5	125.8	27.8	19.8	20.4
DAUPHIN	184.9	141.3	27.3	18.2	30.9
DELAWARE	161.6	146.2	28.2	18.9	20.7
ELK	172.9	134.0	32.4	18.9	30.5
ERIE	178.1	137.5	37.0	18.7	29.8
FAYETTE	202.4	144.5	28.5	14.3	41.5
FOREST	207.4	140.7	33.3	21.5	43.4
FRANKLIN	150.3	122.5	23.3	18.3	37.1
FULTON	176.7	129.3	17.6	20.8	50.4
GREENE	212.7	121.8	25.3	16.2	36.0
HUNTINGDON	196.8	160.3	23.3	18.6	44.5
INDIANA	173.3	127.7	25.7	16.3	39.0
JEFFERSON	183.0	131.0	25.0	21.7	34.4
JUNIATA	182.0	111.4	28.5	26.4	41.4
LACKAWANNA	205.0	141.4	25.7	16.5	24.0
LANCASTER	145.0	127.1	24.7	16.5	26.2
LAWRENCE	185.6	122.7	26.7	12.9	27.6
LEBANON	190.3	137.3	24.7	23.6	27.5
LEHIGH	170.4	132.6	21.4	15.9	25.6
LUZERNE	209.8	136.7	24.4	15.7	29.2
LYCOMING	163.0	129.2	25.4	23.8	32.2
MCKEAN	203.9	126.6	20.8	21.0	35.0
MERCER	170.8	130.6	23.8	20.7	31.2
MIFFLIN	183.5	134.3	25.8	20.8	33.8
MONROE	176.2	128.2	20.6	16.2	39.7
MONTGOMERY	135.3	127.9	23.6	14.9	24.6
MONTOUR	195.8	124.7	26.7	15.2	56.5
NORTHAMPTON	163.5	129.2	21.2	15.3	24.9
NORTHUMBERLAND	189.7	137.7	30.5	13.9	38.2
PERRY	192.7	131.0	33.0	21.8	48.3
PHILADELPHIA	191.5	178.2	34.5	18.1	36.0
PIKE	158.2	113.9	18.0	13.4	32.0
POTTER	168.0	131.7	22.6	22.6	45.5
SCHUYLKILL	197.1	141.3	29.7	15.7	37.5
SNYDER	182.2	123.1	26.2	13.5	44.6
SOMERSET	186.8	126.1	26.2	15.2	38.6
SULLIVAN	195.3	144.6	24.1	22.1	53.5
SUSQUEHANNA	186.0	128.8	23.0	17.3	44.0
TIOGA	169.6	112.8	28.6	24.9	46.8
UNION	167.0	115.4	24.1	17.4	38.7
VENANGO	185.1	132.3	26.7	26.4	34.3
WARREN	169.4	122.1	30.3	17.2	45.0
WASHINGTON	183.9	134.1	26.4	18.7	28.7
WAYNE	175.2	125.5	26.5	13.0	48.2
WESTMORELAND	188.3	133.6	26.2	14.8	28.8
WYOMING	171.9	120.9	24.2	18.0	47.3
YORK	161.4	132.8	24.2	17.0	29.9

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.

TABLE C-29
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1990

COUNTY	TOTAL DEATHS	AGE AT DEATH (IN YEARS) UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
ALL COUNTIES	121,081	1,914	164	164	538	785	2,376	3,348	5,600	14,083	29,163	36,609	26,337
ADAMS	640	9	1	0	3	2	16	14	16	62	139	190	188
ALLEGHENY	15,299	190	20	9	30	56	262	402	664	1,838	3,896	4,728	3,204
ARMSTRONG	851	11	0	2	2	6	11	17	42	85	222	284	169
BEAVER	1,918	27	1	0	8	14	34	35	81	236	570	566	346
BEDFORD	417	6	0	2	2	3	11	7	24	54	101	113	94
BERKS	3,273	54	8	4	14	19	57	70	140	331	691	1,069	816
BLAIR	1,530	21	1	1	6	9	24	27	52	187	368	465	369
BRADFORD	574	4	1	2	5	3	18	14	24	53	118	176	156
BUCKS	3,999	61	8	9	22	32	84	148	185	491	968	1,109	882
BUTLER	1,414	23	2	4	13	10	21	36	63	157	314	414	357
CAMBRIA	1,783	17	2	3	6	12	23	32	59	205	443	611	370
CAMERON	62	1	0	0	0	0	6	1	2	5	18	18	11
CARBON	645	4	0	0	3	6	9	9	21	63	171	222	137
CENTRE	729	16	0	2	5	4	14	16	27	102	188	227	128
CHESTER	2,567	55	2	4	14	22	67	78	122	322	587	756	538
CLARION	358	4	1	1	1	2	10	6	14	30	68	123	98
CLEARFIELD	838	15	1	1	6	4	8	18	36	82	211	267	189
CLINTON	399	8	1	0	4	5	7	7	15	51	102	120	79
COLUMBIA	673	11	1	1	6	4	10	14	25	63	188	201	149
CRAWFORD	859	16	0	3	8	4	14	17	37	96	188	257	219
CUMBERLAND	1,650	26	1	2	9	8	22	40	59	187	412	483	401
DAUPHIN	2,309	43	1	4	11	20	63	64	110	277	568	658	490
DELAWARE	5,475	73	7	7	20	23	118	152	270	679	1,333	1,522	1,271
ELK	375	7	0	0	3	3	3	5	9	35	102	122	86
ERIE	2,602	65	4	5	9	17	40	68	128	274	671	761	560
FAYETTE	1,729	24	3	1	8	14	28	38	67	197	440	548	361
FOREST	78	0	0	0	0	0	1	0	3	9	21	26	18
FRANKLIN	1,069	13	0	1	6	5	9	26	44	113	241	312	299
FULTON	108	3	1	0	2	4	2	6	7	12	23	26	22
GREENE	403	1	0	1	1	5	7	9	28	40	103	111	97
HUNTINGDON	428	5	0	0	3	6	7	14	22	56	92	136	87
INDIANA	827	9	2	1	8	6	11	22	30	96	176	280	186
JEFFERSON	532	5	0	2	3	2	9	5	19	52	113	196	126

(CONTINUED)

TABLE C-29
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1990

COUNTY	TOTAL DEATHS	AGE AT DEATH (IN YEARS) UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
JUNIATA	228	2	0	1	1	1	6	5	10	21	55	61	65
LACKAWANNA	2,725	15	1	3	5	12	39	63	113	293	693	913	575
LANCASTER	3,487	92	12	5	15	17	60	79	137	338	729	1,058	945
LAWRENCE	1,134	8	0	1	3	4	18	18	50	127	272	374	259
LEBANON	1,055	15	2	1	5	5	15	27	56	119	209	353	248
LEHIGH	2,748	33	2	1	9	10	47	86	111	301	666	837	645
LUZERNE	4,211	30	1	7	8	25	45	92	187	414	1,043	1,442	917
LYCOMING	1,127	17	4	3	12	9	14	28	53	131	254	329	273
MCKEAN	560	9	0	1	0	4	9	14	16	68	111	177	151
MERCER	1,369	12	2	0	8	8	14	30	65	159	336	414	321
MIFFLIN	485	8	0	1	1	3	9	9	23	50	126	150	105
MONROE	835	17	3	2	3	4	12	23	39	89	232	264	147
MONTGOMERY	5,887	84	10	9	13	33	107	169	229	631	1,256	1,833	1,513
MONTOUR	224	1	1	0	0	3	2	4	7	29	44	73	60
NORTHAMPTON	2,178	31	2	3	3	7	29	56	91	264	527	665	500
NORTHUMBERLAND	1,263	14	3	4	3	7	12	14	52	149	307	430	268
PERRY	324	7	1	0	5	1	7	11	23	46	86	82	55
PHILADELPHIA	19,385	534	28	28	133	209	677	857	1,260	2,537	4,486	5,191	3,445
PIKE	245	2	0	0	1	1	6	7	12	35	69	65	47
POTTER	181	3	0	0	1	0	4	3	8	18	48	53	43
SCHUYLKILL	1,979	13	1	1	10	9	27	29	81	245	501	703	359
SNYDER	301	6	1	1	3	5	5	6	13	31	70	100	60
SOMERSET	773	10	1	1	2	7	8	11	23	90	182	243	195
SULLIVAN	88	1	0	0	0	0	1	2	3	8	14	34	25
SUSQUEHANNA	377	5	0	0	2	1	5	13	21	25	98	104	103
TIOGA	428	6	4	1	1	6	5	3	13	54	98	117	120
UNION	293	3	1	0	1	1	4	10	10	37	49	96	81
VENANGO	614	7	0	0	1	4	11	15	21	89	143	183	140
WARREN	453	4	0	1	3	3	6	9	13	63	115	138	98
WASHINGTON	2,279	18	3	1	9	13	29	57	106	246	628	727	442
WAYNE	460	2	0	3	2	3	11	18	19	50	95	152	105
WESTMORELAND	3,971	37	8	5	15	21	46	90	161	449	1,061	1,260	818
WYOMING	228	1	0	2	1	3	9	9	14	21	55	61	52
YORK	2,773	40	4	6	18	16	51	64	115	316	659	830	654

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

TABLE C-30
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1990

COUNTY	ALL DEATHS	WHITE*			BLACK		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	121,081	109,310	54,435	54,875	11,445	6,116	5,329
ADAMS	640	634	332	302	6	5	1
ALLEGHENY	15,299	13,627	6,672	6,955	1,637	875	762
ARMSTRONG	851	840	439	401	10	4	6
BEAVER	1,918	1,794	948	846	123	56	67
BEDFORD	417	415	222	193	1	1	0
BERKS	3,273	3,187	1,586	1,601	80	45	35
BLAIR	1,530	1,518	753	765	12	7	5
BRADFORD	574	571	312	259	3	1	2
BUCKS	3,999	3,878	1,907	1,971	102	58	44
BUTLER	1,414	1,406	690	716	8	5	3
CAMBRIA	1,783	1,749	875	874	32	20	12
CAMERON	62	62	35	27	0	0	0
CARBON	645	644	319	325	1	1	0
CENTRE	729	719	369	350	4	4	0
CHESTER	2,567	2,364	1,148	1,216	197	102	95
CLARION	358	357	178	179	0	0	0
CLEARFIELD	838	832	438	394	5	3	2
CLINTON	399	398	205	193	0	0	0
COLUMBIA	673	672	354	318	1	1	0
CRAWFORD	859	850	408	442	9	5	4
CUMBERLAND	1,650	1,634	797	837	12	8	4
DAUPHIN	2,309	2,024	1,016	1,008	272	131	141
DELAWARE	5,475	4,918	2,343	2,575	544	302	242
ELK	375	372	193	179	0	0	0
ERIE	2,602	2,501	1,217	1,284	97	57	40
FAYETTE	1,729	1,670	874	796	59	34	25
FOREST	78	78	40	38	0	0	0
FRANKLIN	1,069	1,050	518	532	17	8	9
FULTON	108	108	66	42	0	0	0
GREENE	403	400	221	179	3	1	2
HUNTINGDON	428	422	220	202	6	4	2
INDIANA	827	820	431	389	6	4	2
JEFFERSON	532	532	269	263	0	0	0

(CONTINUED)

TABLE C-30
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1990

COUNTY	ALL DEATHS	WHITE*			BLACK		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
JUNIATA	228	228	121	107	0	0	0
LACKAWANNA	2,725	2,708	1,363	1,345	15	10	5
LANCASTER	3,487	3,428	1,629	1,799	50	27	23
LAWRENCE	1,134	1,115	540	575	19	10	9
LEBANON	1,055	1,049	520	529	5	3	2
LEHIGH	2,748	2,708	1,355	1,353	36	20	16
LUZERNE	4,211	4,196	2,028	2,168	13	10	3
LYCOMING	1,127	1,104	558	546	22	9	13
MCKEAN	560	560	287	273	0	0	0
MERCER	1,369	1,327	697	630	42	21	21
MIFFLIN	485	485	246	239	0	0	0
MONROE	835	821	448	373	12	8	4
MONTGOMERY	5,887	5,586	2,624	2,962	272	137	135
MONTOUR	224	223	95	128	1	0	1
NORTHAMPTON	2,178	2,143	1,103	1,040	32	16	16
NORTHUMBERLAND	1,263	1,263	622	641	0	0	0
PERRY	324	324	171	153	0	0	0
PHILADELPHIA	19,385	11,794	5,838	5,956	7,453	3,991	3,462
PIKE	245	242	125	117	3	1	2
POTTER	181	180	95	85	1	0	1
SCHUYLKILL	1,979	1,974	1,039	935	2	1	1
SNYDER	301	300	158	142	1	1	0
SOMERSET	773	772	397	375	1	0	1
SULLIVAN	88	87	52	35	0	0	0
SUSQUEHANNA	377	376	199	177	0	0	0
TIOGA	428	427	249	178	1	1	0
UNION	293	291	127	164	1	1	0
VENANGO	614	608	305	303	5	1	4
WARREN	453	453	226	227	0	0	0
WASHINGTON	2,279	2,199	1,138	1,061	79	36	43
WAYNE	460	459	214	245	1	1	0
WESTMORELAND	3,971	3,898	1,977	1,921	69	38	31
WYOMING	228	228	124	104	0	0	0
YORK	2,773	2,708	1,370	1,338	62	31	31

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

TABLE C-31
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	121,081	1019.1	43,204	363.6	440	3.7	1,014	8.5	12,847	108.1
ADAMS	640	817.6	228	291.3	6	7.7	10	12.8	40	51.1
ALLEGHENY	15,299	1144.8	5,491	410.9	73	5.5	145	10.8	1,808	135.3
ARMSTRONG	851	1158.2	322	438.2	4	5.4	8	10.9	123	167.4
BEAVER	1,918	1030.7	680	365.4	9	4.8	17	9.1	225	120.9
BEDFORD	417	870.2	153	319.3	1	2.1	4	8.3	41	85.6
BERKS	3,273	972.6	1,203	357.5	10	3.0	28	8.3	292	86.8
BLAIR	1,530	1172.0	621	475.7	5	3.8	11	8.4	208	159.3
BRADFORD	574	941.5	205	336.2	0	-	0	-	73	119.7
BUCKS	3,999	738.9	1,284	237.3	12	2.2	30	5.5	385	71.1
BUTLER	1,414	930.2	546	359.2	6	3.9	6	3.9	249	163.8
CAMBRIA	1,783	1093.7	693	425.1	4	2.5	13	8.0	211	129.4
CAMERON	62	1048.5	15	253.7	0	-	0	-	2	33.8
CARBON	645	1134.6	272	478.5	3	5.3	3	5.3	84	147.8
CENTRE	729	588.9	257	207.6	1	0.8	0	-	74	59.8
CHESTER	2,567	682.0	840	223.2	3	0.8	17	4.5	260	69.1
CLARION	358	858.5	136	326.1	0	-	2	4.8	36	86.3
CLEARFIELD	838	1073.0	309	395.7	2	2.6	4	5.1	101	129.3
CLINTON	399	1073.1	125	336.2	0	-	1	2.7	39	104.9
COLUMBIA	673	1064.8	273	431.9	2	3.2	2	3.2	72	113.9
CRAWFORD	859	996.9	319	370.2	4	4.6	6	7.0	107	124.2
CUMBERLAND	1,650	845.0	612	313.4	3	1.5	15	7.7	188	96.3
DAUPHIN	2,309	970.9	814	342.3	7	2.9	24	10.1	196	82.4
DELAWARE	5,475	999.7	1,782	325.4	25	4.6	60	11.0	442	80.7
ELK	375	1075.2	133	381.3	0	-	5	14.3	42	120.4
ERIE	2,602	944.2	899	326.2	9	3.3	21	7.6	292	106.0
FAYETTE	1,729	1189.5	686	472.0	3	2.1	21	14.4	336	231.2
FOREST	78	1624.3	39	812.2	0	-	0	-	17	354.0
FRANKLIN	1,069	882.9	367	303.1	7	5.8	10	8.3	103	85.1
FULTON	108	780.5	39	281.9	0	-	2	14.5	11	79.5
GREENE	403	1019.0	155	391.9	0	-	1	2.5	53	134.0
HUNTINGDON	428	969.1	170	384.9	2	4.5	2	4.5	63	142.7
INDIANA	827	919.0	316	351.1	1	1.1	4	4.4	108	120.0
JEFFERSON	532	1154.4	218	473.1	1	2.2	3	6.5	69	149.7

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	228	1105.5	75	363.6	1	4.8	1	4.8	20	97.0
LACKAWANNA	2,725	1244.1	1,114	508.6	12	5.5	24	11.0	342	156.1
LANCASTER	3,487	824.7	1,254	296.6	15	3.5	34	8.0	433	102.4
LAWRENCE	1,134	1178.2	491	510.2	8	8.3	10	10.4	185	192.2
LEBANON	1,055	927.5	423	371.9	2	1.8	9	7.9	150	131.9
LEHIGH	2,748	943.9	1,046	359.3	9	3.1	20	6.9	264	90.7
LUZERNE	4,211	1283.3	1,742	530.9	20	6.1	28	8.5	473	144.1
LYCOMING	1,127	949.4	405	341.2	6	5.1	4	3.4	127	107.0
MCKEAN	560	1188.2	197	418.0	2	4.2	2	4.2	64	135.8
MERCER	1,369	1131.4	499	412.4	3	2.5	14	11.6	172	142.1
MIFFLIN	485	1049.9	172	372.3	1	2.2	2	4.3	52	112.6
MONROE	835	872.4	288	300.9	1	1.0	1	1.0	62	64.8
MONTGOMERY	5,887	868.1	1,967	290.1	21	3.1	64	9.4	569	83.9
MONTOUR	224	1263.0	83	468.0	2	11.3	1	5.6	19	107.1
NORTHAMPTON	2,178	881.4	767	310.4	9	3.6	10	4.0	241	97.5
NORTHUMBERLAND	1,263	1305.1	480	496.0	4	4.1	7	7.2	115	118.8
PERRY	324	786.9	122	296.3	0	-	3	7.3	32	77.7
PHILADELPHIA	19,385	1222.6	6,050	381.6	53	3.3	206	13.0	1,247	78.6
PIKE	245	876.1	85	303.9	0	-	2	7.2	31	110.8
POTTER	181	1082.7	59	352.9	0	-	2	12.0	12	71.8
SCHUYLKILL	1,979	1297.0	776	508.6	12	7.9	20	13.1	342	224.1
SNYDER	301	820.6	115	313.5	1	2.7	0	-	32	87.2
SOMERSET	773	988.3	310	396.3	2	2.6	11	14.1	125	159.8
SULLIVAN	88	1441.7	30	491.5	1	16.4	0	-	9	147.4
SUSQUEHANNA	377	933.6	151	373.9	0	-	2	5.0	56	138.7
TIOGA	428	1040.7	169	410.9	2	4.9	3	7.3	38	92.4
UNION	293	809.9	108	298.5	1	2.8	1	2.8	38	105.0
VENANGO	614	1034.0	207	348.6	5	8.4	6	10.1	67	112.8
WARREN	453	1005.5	163	361.8	1	2.2	3	6.7	37	82.1
WASHINGTON	2,279	1114.0	838	409.6	9	4.4	7	3.4	281	137.4
WAYNE	460	1151.6	170	425.6	0	-	5	12.5	48	120.2
WESTMORELAND	3,971	1072.3	1,545	417.2	17	4.6	21	5.7	550	148.5
WYOMING	228	812.1	89	317.0	2	7.1	3	10.7	15	53.4
YORK	2,773	816.6	1,012	298.0	15	4.4	13	3.8	249	73.3

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	15,476	130.3	13,427	113.0	29,677	249.8	421	3.5	7,249	61.0	8,053	67.8
ADAMS	79	100.9	93	118.8	153	195.5	4	5.1	28	35.8	32	40.9
ALLEGHENY	1,770	132.4	1,695	126.8	3,973	297.3	56	4.2	941	70.4	1,162	86.9
ARMSTRONG	102	138.8	85	115.7	199	270.8	2	2.7	54	73.5	57	77.6
BEAVER	272	146.2	157	84.4	534	287.0	9	4.8	141	75.8	150	80.6
BEDFORD	62	129.4	45	93.9	84	175.3	2	4.2	21	43.8	22	45.9
BERKS	502	149.2	371	110.2	784	233.0	6	1.8	206	61.2	205	60.9
BLAIR	253	193.8	144	110.3	340	260.5	2	1.5	78	53.8	90	68.9
BRADFORD	71	116.5	61	100.1	105	172.2	0	-	26	42.6	32	52.5
BUCKS	432	79.8	425	78.5	1,032	190.7	24	4.4	236	43.6	263	48.6
BUTLER	162	106.6	123	80.9	307	202.0	6	3.9	62	40.8	75	49.3
CAMBRIA	265	162.5	200	122.7	432	265.0	7	4.3	90	55.2	122	74.8
CAMERON	7	118.4	6	101.5	19	321.3	0	-	5	84.6	5	84.6
CARBON	105	184.7	77	135.5	150	263.9	2	3.5	44	77.4	24	42.2
CENTRE	122	98.6	60	48.5	192	155.1	1	0.8	41	33.1	57	46.0
CHESTER	267	70.9	293	77.8	671	178.3	9	2.4	134	35.6	184	48.9
CLARION	78	187.1	20	48.0	73	175.1	0	-	18	43.2	17	40.8
CLEARFIELD	147	188.2	55	70.4	190	243.3	3	3.8	43	55.1	60	76.8
CLINTON	48	129.1	37	99.5	122	328.1	0	-	31	83.4	30	80.7
COLUMBIA	127	200.9	70	110.8	139	219.9	2	3.2	37	58.5	37	58.5
CRAWFORD	119	138.1	83	96.3	195	226.3	0	-	48	55.7	48	55.7
CUMBERLAND	242	123.9	164	84.0	407	208.4	5	2.6	106	54.3	102	52.2
DAUPHIN	300	126.1	287	120.7	566	238.0	8	3.4	141	59.3	168	70.6
DELAWARE	568	103.7	687	125.4	1,392	254.2	18	3.3	315	57.5	391	71.4
ELK	48	137.6	38	109.0	90	258.0	0	-	16	45.9	29	83.1
ERIE	377	136.8	200	72.6	580	210.5	5	1.8	153	55.5	160	58.1
FAYETTE	186	128.0	140	96.3	421	289.6	8	5.5	111	76.4	105	72.2
FOREST	17	354.0	5	104.1	18	374.8	0	-	3	62.5	3	62.5
FRANKLIN	124	102.4	123	101.6	248	204.8	7	5.8	55	45.4	62	51.2
FULTON	18	130.1	8	57.8	19	137.3	0	-	2	14.5	8	57.8
GREENE	49	123.9	52	131.5	92	232.6	2	5.1	20	50.6	23	58.2
HUNTINGDON	69	156.2	34	77.0	123	278.5	0	-	32	72.5	30	67.9
INDIANA	115	127.8	88	97.8	189	210.0	1	1.1	50	55.6	42	46.7
JEFFERSON	110	238.7	35	75.9	107	232.2	0	-	22	47.7	31	67.3

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	35	169.7	18	87.3	53	257.0	0	-	14	67.9	12	58.2
LACKAWANNA	363	165.7	373	170.3	659	300.9	6	2.7	203	92.7	143	65.3
LANCASTER	359	84.9	413	97.7	851	201.3	10	2.4	207	49.0	210	49.7
LAWRENCE	214	222.3	74	76.9	279	289.9	3	3.1	72	74.8	85	88.3
LEBANON	104	91.4	158	138.9	247	217.2	3	2.6	60	52.8	59	51.9
LEHIGH	404	138.8	349	119.9	684	234.9	15	5.2	168	57.7	161	55.3
LUZERNE	567	172.8	654	199.3	921	280.7	20	6.1	238	72.5	219	66.7
LYCOMING	117	98.6	151	127.2	266	224.1	5	4.2	53	44.6	84	70.8
MCKEAN	72	152.8	57	120.9	135	286.4	0	-	24	50.9	45	95.5
MERCER	222	183.5	88	72.7	328	271.1	4	3.3	87	71.9	106	87.6
MIFFLIN	77	166.7	40	86.6	125	270.6	3	6.5	30	64.9	29	62.8
MONROE	101	105.5	123	128.5	202	211.1	1	1.0	55	57.5	61	63.7
MONTGOMERY	675	99.5	638	94.1	1,562	230.3	16	2.4	381	56.2	418	61.6
MONTOUR	39	219.9	22	124.0	38	214.3	0	-	6	33.8	9	50.7
NORTHAMPTON	264	106.8	243	98.3	596	241.2	7	2.8	138	55.8	156	63.1
NORTHUMBERLAND	240	248.0	114	117.8	285	294.5	5	5.2	66	68.2	70	72.3
PERRY	58	140.9	29	70.4	72	174.9	0	-	22	53.4	15	36.4
PHILADELPHIA	1,976	124.6	2,568	162.0	4,744	299.2	90	5.7	1,187	74.9	1,359	85.7
PIKE	22	78.7	30	107.3	64	228.8	1	3.6	11	39.3	20	71.5
POTTER	25	149.5	20	119.6	43	257.2	0	-	8	47.9	11	65.8
SCHUYLKILL	281	184.2	121	79.3	434	284.4	7	4.6	114	74.7	109	71.4
SNYDER	59	160.9	23	62.7	79	215.4	0	-	17	46.3	18	49.1
SOMERSET	109	139.4	63	80.5	182	232.7	0	-	48	61.4	48	61.4
SULLIVAN	8	131.1	12	196.6	21	344.0	0	-	3	49.1	6	98.3
SUSQUEHANNA	55	136.2	38	94.1	96	237.7	4	9.9	24	59.4	30	74.3
TIOGA	89	216.4	37	90.0	90	218.8	1	2.4	33	80.2	16	38.9
UNION	42	116.1	26	71.9	70	193.5	1	2.8	19	52.5	15	41.5
VENANGO	87	146.5	42	70.7	145	244.2	1	1.7	31	52.2	44	74.1
WARREN	94	208.7	28	62.2	112	248.6	3	6.7	26	57.7	32	71.0
WASHINGTON	378	184.8	163	79.7	545	266.4	3	1.5	133	65.0	165	80.7
WAYNE	67	167.7	50	125.2	113	282.9	2	5.0	32	80.1	29	72.6
WESTMORELAND	578	156.1	379	102.3	971	262.2	10	2.7	248	67.0	262	70.7
WYOMING	26	92.6	43	153.2	54	192.3	2	7.1	7	24.9	19	67.7
YORK	456	134.3	279	82.2	665	195.8	9	2.7	174	51.2	162	47.7

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	3,400	28.6	4,701	39.6	3,145	26.5	1,008	8.5	1,700	14.3
ADAMS	19	24.3	33	42.2	14	17.9	10	12.8	13	16.6
ALLEGHENY	478	35.8	544	40.7	465	34.8	115	8.6	212	15.9
ARMSTRONG	17	23.1	36	49.0	16	21.8	4	5.4	13	17.7
BEAVER	46	24.7	85	45.7	61	32.8	10	5.4	32	17.2
BEDFORD	10	20.9	11	23.0	10	20.9	4	8.3	4	8.3
BERKS	94	27.9	111	33.0	91	27.0	24	7.1	47	14.0
BLAIR	41	31.4	58	44.4	28	21.4	16	12.3	27	20.7
BRADFORD	9	14.8	16	26.2	14	23.0	4	6.6	4	6.6
BUCKS	132	24.4	156	28.8	113	20.9	37	6.8	71	13.1
BUTLER	39	25.7	48	31.6	44	28.9	11	7.2	22	14.5
CAMBRIA	48	29.4	69	42.3	56	34.3	18	11.0	22	13.5
CAMERON	0	-	3	50.7	6	101.5	0	-	0	-
CARBON	17	29.9	29	51.0	18	31.7	5	8.8	11	19.4
CENTRE	22	17.8	25	20.2	24	19.4	4	3.2	18	14.5
CHESTER	100	26.6	125	33.2	66	17.5	18	4.8	35	9.3
CLARION	11	26.4	14	33.6	3	7.2	5	12.0	5	12.0
CLEARFIELD	21	26.9	30	38.4	13	16.6	11	14.1	9	11.5
CLINTON	14	37.7	24	64.5	9	24.2	5	13.4	9	24.2
COLUMBIA	15	23.7	22	34.8	15	23.7	3	4.7	8	12.7
CRAWFORD	20	23.2	34	39.5	27	31.3	7	8.1	11	12.8
CUMBERLAND	48	24.6	60	30.7	57	29.2	8	4.1	21	10.8
DAUPHIN	60	25.2	88	37.0	48	20.2	26	10.9	27	11.4
DELAWARE	169	30.9	212	38.7	156	28.5	49	8.9	82	15.0
ELK	12	34.4	17	48.7	10	28.7	3	8.6	3	8.6
ERIE	61	22.1	112	40.6	42	15.2	16	5.8	31	11.2
FAYETTE	50	34.4	71	48.8	38	26.1	17	11.7	21	14.4
FOREST	0	-	6	124.9	4	83.3	0	-	2	41.6
FRANKLIN	35	28.9	43	35.5	28	23.1	9	7.4	9	7.4
FULTON	0	-	5	36.1	4	28.9	0	-	0	-
GREENE	6	15.2	9	22.8	21	53.1	6	15.2	5	12.6
HUNTINGDON	15	34.0	20	45.3	15	34.0	6	13.6	5	11.3
INDIANA	18	20.0	27	30.0	25	27.8	7	7.8	19	21.1
JEFFERSON	11	23.9	25	54.2	5	10.8	4	8.7	9	19.5

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	8	38.8	12	58.2	2	9.7	1	4.8	4	19.4
LACKAWANNA	77	35.2	98	44.7	75	34.2	26	11.9	31	14.2
LANCASTER	83	19.6	168	39.7	77	18.2	38	9.0	58	13.7
LAWRENCE	37	38.4	37	38.4	21	21.8	14	14.5	10	10.4
LEBANON	33	29.0	33	29.0	28	24.6	9	7.9	22	19.3
LEHIGH	68	23.4	125	42.9	70	24.0	24	8.2	53	18.2
LUZERNE	129	39.3	142	43.3	86	26.2	27	8.2	60	18.3
LYCOMING	28	23.6	35	29.5	34	28.6	11	9.3	16	13.5
MCKEAN	14	29.7	24	50.9	15	31.8	3	6.4	10	21.2
MERCER	29	24.0	40	33.1	32	26.4	11	9.1	19	15.7
MIFFLIN	11	23.8	26	56.3	16	34.6	4	8.7	6	13.0
MONROE	19	19.9	23	24.0	31	32.4	5	5.2	7	7.3
MONTGOMERY	211	31.1	247	36.4	150	22.1	49	7.2	90	13.3
MONTOUR	6	33.8	5	28.2	6	33.8	1	5.6	5	28.2
NORTHAMPTON	63	25.5	107	43.3	59	23.9	32	12.9	34	13.8
NORTHUMBERLAND	34	35.1	47	48.6	37	38.2	10	10.3	16	16.5
PERRY	9	21.9	8	19.4	12	29.1	2	4.9	4	9.7
PHILADELPHIA	525	33.1	757	47.7	459	28.9	142	9.0	225	14.2
PIKE	8	28.6	9	32.2	12	42.9	2	7.2	1	3.6
POTTER	4	23.9	13	77.8	3	17.9	2	12.0	2	12.0
SCHUYLKILL	35	22.9	65	42.6	56	36.7	14	9.2	34	22.3
SNYDER	7	19.1	14	38.2	12	32.7	3	8.2	8	21.8
SOMERSET	18	23.0	37	47.3	20	25.6	2	2.6	9	11.5
SULLIVAN	2	32.8	3	49.1	1	16.4	1	16.4	5	81.9
SUSQUEHANNA	8	19.8	14	34.7	8	19.8	5	12.4	3	7.4
TIOGA	10	24.3	13	31.6	8	19.5	4	9.7	5	12.2
UNION	7	19.3	11	30.4	9	24.9	6	16.6	2	5.5
VENANGO	16	26.9	20	33.7	18	30.3	6	10.1	9	15.2
WARREN	10	22.2	21	46.6	8	17.8	5	11.1	7	15.5
WASHINGTON	56	27.4	78	38.1	58	28.4	19	9.3	33	16.1
WAYNE	10	25.0	23	57.6	8	20.0	3	7.5	6	15.0
WESTMORELAND	109	29.4	159	42.9	91	24.6	35	9.5	57	15.4
WYOMING	3	10.7	8	28.5	8	28.5	4	14.2	3	10.7
YORK	75	22.1	111	32.7	69	20.3	26	7.7	39	11.5

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

COUNTY	CEREBROVASCULAR DISEASE		CHRONIC OBSTRUCTIVE PULMONARY DIS		UNINTENTIONAL INJURIES: OTHER		UNINTENTIONAL INJURIES: MOTOR VEHICLE		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	7,678	64.6	4,487	37.8	2,243	18.9	1,758	14.8	3,876	32.6	3,082	25.9
ADAMS	44	56.2	19	24.3	6	7.7	12	15.3	30	38.3	27	34.5
ALLEGHENY	961	71.9	586	43.8	260	19.5	115	8.6	502	37.6	385	28.8
ARMSTRONG	58	78.9	35	47.6	17	23.1	15	20.4	30	40.8	32	43.6
BEAVER	115	61.8	60	32.2	30	16.1	30	16.1	75	40.3	65	34.9
BEDFORD	37	77.2	16	33.4	10	20.9	13	27.1	9	18.8	8	16.7
BERKS	198	58.8	128	38.0	57	16.9	53	15.7	141	41.9	81	24.1
BLAIR	116	88.9	57	43.7	20	15.3	28	21.4	59	45.2	36	27.6
BRADFORD	26	42.6	27	44.3	17	27.9	13	21.3	20	32.8	22	36.1
BUCKS	273	50.4	144	26.6	59	10.9	79	14.6	131	24.2	84	15.5
BUTLER	90	59.2	72	47.4	17	11.2	36	23.7	57	37.5	38	25.0
CAMBRIA	100	61.3	72	44.2	38	23.3	24	14.7	34	20.9	46	28.2
CAMERON	2	33.8	5	84.6	2	33.8	1	16.9	3	50.7	0	-
CARBON	31	54.5	27	47.5	8	14.1	14	24.6	11	19.4	17	29.9
CENTRE	47	38.0	33	26.7	7	5.7	11	8.9	20	16.2	18	14.5
CHESTER	142	37.7	106	28.2	44	11.7	55	14.6	110	29.2	54	14.3
CLARION	24	57.6	14	33.6	7	16.8	10	24.0	9	21.6	12	28.8
CLEARFIELD	61	78.1	51	65.3	9	11.5	15	19.2	33	42.3	27	34.6
CLINTON	26	69.9	18	48.4	5	13.4	15	40.3	14	37.7	11	29.6
COLUMBIA	50	79.1	24	38.0	6	9.5	18	28.5	15	23.7	18	28.5
CRAWFORD	57	66.1	33	38.3	15	17.4	11	12.8	36	41.8	18	20.9
CUMBERLAND	111	56.8	72	36.9	37	18.9	23	11.8	52	26.6	28	14.3
DAUPHIN	146	61.4	74	31.1	50	21.0	37	15.6	74	31.1	58	24.4
DELAWARE	368	67.2	227	41.4	94	17.2	58	10.6	190	34.7	132	24.1
ELK	26	74.5	21	60.2	1	2.9	6	17.2	15	43.0	14	40.1
ERIE	229	83.1	121	43.9	62	22.5	39	14.2	97	35.2	68	24.7
FAYETTE	115	79.1	43	29.6	31	21.3	32	22.0	42	28.9	43	29.6
FOREST	7	145.8	3	62.5	0	-	0	-	7	145.8	1	20.8
FRANKLIN	45	37.2	50	41.3	21	17.3	20	16.5	46	38.0	27	22.3
FULTON	4	28.9	4	28.9	4	28.9	9	65.0	1	7.2	3	21.7
GREENE	22	55.6	15	37.9	4	10.1	11	27.8	9	22.8	15	37.9
HUNTINGDON	18	40.8	12	27.2	8	18.1	11	24.9	14	31.7	14	31.7
INDIANA	48	53.3	29	32.2	16	17.8	25	27.8	29	32.2	13	14.4
JEFFERSON	30	65.1	23	49.9	12	26.0	11	23.9	18	39.1	20	43.4

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

COUNTY	CEREBROVASCULAR DISEASE		CHRONIC OBSTRUCTIVE PULMONARY DIS		UNINTENTIONAL INJURIES: OTHER		UNINTENTIONAL INJURIES: MOTOR VEHICLE		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	15	72.7	13	63.0	3	14.5	5	24.2	6	29.1	9	43.6
LACKAWANNA	157	71.7	86	39.3	41	18.7	28	12.8	76	34.7	67	30.6
LANCASTER	241	57.0	132	31.2	57	13.5	58	13.7	140	33.1	100	23.7
LAWRENCE	74	76.9	27	28.1	11	11.4	13	13.5	34	35.3	38	39.5
LEBANON	64	56.3	51	44.8	19	16.7	13	11.4	20	17.6	34	29.9
LEHIGH	146	50.1	100	34.3	40	13.7	36	12.4	82	28.2	68	23.4
LUZERNE	221	67.3	142	43.3	58	17.7	47	14.3	85	25.9	141	43.0
LYCOMING	66	55.6	63	53.1	17	14.3	23	19.4	37	31.2	41	34.5
MCKEAN	52	110.3	23	48.8	4	8.5	10	21.2	14	29.7	15	31.8
MERCER	82	67.8	63	52.1	21	17.4	24	19.8	51	42.1	46	38.0
MIFFLIN	22	47.6	26	56.3	9	19.5	10	21.6	13	28.1	14	30.3
MONROE	47	49.1	45	47.0	9	9.4	17	17.8	25	26.1	25	26.1
MONTGOMERY	423	62.4	223	32.9	118	17.4	72	10.6	186	27.4	95	14.0
MONTOUR	13	73.3	7	39.5	5	28.2	3	16.9	12	67.7	4	22.6
NORTHAMPTON	131	53.0	81	32.8	44	17.8	17	6.9	66	26.7	70	28.3
NORTHUMBERLAND	93	96.1	50	51.7	17	17.6	17	17.6	43	44.4	37	38.2
PERRY	24	58.3	17	41.3	9	21.9	18	43.7	12	29.1	4	9.7
PHILADELPHIA	1,185	74.7	574	36.2	510	32.2	199	12.6	557	35.1	434	27.4
PIKE	9	32.2	5	17.9	8	28.6	3	10.7	5	17.9	4	14.3
POTTER	9	53.8	11	65.8	2	12.0	4	23.9	5	29.9	2	12.0
SCHUYLKILL	127	83.2	62	40.6	32	21.0	32	21.0	40	26.2	56	36.7
SNYDER	16	43.6	4	10.9	3	8.2	13	35.4	6	16.4	7	19.1
SOMERSET	53	67.8	21	26.8	17	21.7	13	16.6	20	25.6	10	12.8
SULLIVAN	10	163.8	3	49.1	4	65.5	4	65.5	4	65.5	2	32.8
SUSQUEHANNA	25	61.9	9	22.3	9	22.3	9	22.3	13	32.2	4	[illegible].9
TIOGA	24	58.4	22	53.5	8	19.5	15	36.5	16	38.9	12	[illegible].2
UNION	18	49.8	10	27.6	5	13.8	9	24.9	13	35.9	4	11.1
VENANGO	41	69.0	34	57.3	8	13.5	12	20.2	20	33.7	28	47.2
WARREN	30	66.6	17	37.7	11	24.4	6	13.3	20	44.4	17	37.7
WASHINGTON	151	73.8	81	39.6	38	18.6	37	18.1	93	45.5	61	29.8
WAYNE	33	82.6	17	42.6	4	10.0	13	32.5	12	30.0	13	32.5
WESTMORELAND	250	67.5	128	34.6	67	18.1	62	16.7	116	31.3	115	31.1
WYOMING	12	42.7	8	28.5	6	21.4	10	35.6	6	21.4	6	21.4
YORK	187	55.1	111	32.7	55	16.2	56	16.5	95	28.0	64	18.8

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	SEPTICEMIA		SUICIDE		NEPHRITIS AND NEPHROSIS		LIVER DISEASE AND CIRRHOSIS		AORTIC ANEURYSM		PERINATAL CONDITIONS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	1,705	14.3	1,446	12.2	1,398	11.8	1,232	10.4	962	8.1	824	6.9
ADAMS	7	8.9	4	5.1	0	-	5	6.4	8	10.2	6	7.7
ALLEGHENY	214	16.0	155	11.6	217	16.2	151	11.3	108	8.1	98	7.3
ARMSTRONG	3	4.1	10	13.6	9	12.2	6	8.2	8	10.9	4	5.4
BEAVER	15	8.1	24	12.9	19	10.2	17	9.1	12	6.4	18	9.7
BEDFORD	2	4.2	4	8.3	6	12.5	7	14.6	2	4.2	3	6.3
BERKS	43	12.8	45	13.4	41	12.2	38	11.3	34	10.1	25	7.4
BLAIR	21	16.1	10	7.7	17	13.0	11	8.4	13	10.0	6	4.6
BRADFORD	8	13.1	8	13.1	4	6.6	6	9.8	6	9.8	2	3.3
BUCKS	66	12.2	63	11.6	30	5.5	45	8.3	38	7.0	24	4.4
BUTLER	14	9.2	26	17.1	17	11.2	13	8.6	8	5.3	11	7.2
CAMBRIA	8	4.9	21	12.9	26	15.9	18	11.0	16	9.8	7	4.3
CAMERON	0	-	3	50.7	1	16.9	0	-	2	33.8	1	16.9
CARBON	4	7.0	10	17.6	10	17.6	3	5.3	7	12.3	3	5.3
CENTRE	7	5.7	9	7.3	6	4.8	8	6.5	8	6.5	9	7.3
CHESTER	34	9.0	30	8.0	22	5.8	19	5.0	24	6.4	21	5.6
CLARION	9	21.6	5	12.0	7	16.8	1	2.4	2	4.8	3	7.2
CLEARFIELD	9	11.5	8	10.2	7	9.0	9	11.5	6	7.7	2	2.6
CLINTON	3	8.1	5	13.4	2	5.4	7	18.8	5	13.4	1	2.7
COLUMBIA	4	6.3	8	12.7	12	19.0	7	11.1	6	9.5	6	9.5
CRAWFORD	2	2.3	16	18.6	11	12.8	11	12.8	10	11.6	6	7.0
CUMBERLAND	21	10.8	14	7.2	21	10.8	14	7.2	14	7.2	11	5.6
DAUPHIN	44	18.5	24	10.1	35	14.7	14	5.9	20	8.4	20	8.4
DELAWARE	121	22.1	59	10.8	68	12.4	65	11.9	58	10.6	31	5.7
ELK	3	8.6	6	17.2	7	20.1	2	5.7	4	11.5	1	2.9
ERIE	32	11.6	34	12.3	22	8.0	21	7.6	17	6.2	26	9.4
FAYETTE	11	7.6	20	13.8	22	15.1	20	13.8	5	3.4	11	7.6
FOREST	1	20.8	0	-	1	20.8	0	-	0	-	0	-
FRANKLIN	11	9.1	14	11.6	3	2.5	8	6.6	11	9.1	5	4.1
FULTON	0	-	3	21.7	0	-	2	14.5	0	-	0	-
GREENE	5	12.6	6	15.2	5	12.6	2	5.1	1	2.5	0	-
HUNTINGDON	3	6.8	6	13.6	3	6.8	1	2.3	1	2.3	3	6.8
INDIANA	11	12.2	11	12.2	6	6.7	6	6.7	8	8.9	2	2.2
JEFFERSON	6	13.0	8	17.4	5	10.8	3	6.5	3	6.5	2	4.3

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

COUNTY	SEPTICEMIA		SUICIDE		NEPHRITIS AND NEPHROSIS		LIVER DISEASE AND CIRRHOSIS		AORTIC ANEURYSM		PERINATAL CONDITIONS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	2	9.7	4	19.4	0	-	1	4.8	3	14.5	0	-
LACKAWANNA	25	11.4	24	11.0	31	14.2	33	15.1	20	9.1	8	3.7
LANCASTER	42	9.9	39	9.2	35	8.3	27	6.4	26	6.1	20	4.7
LAWRENCE	7	7.3	10	10.4	13	13.5	9	9.4	12	12.5	5	5.2
LEBANON	9	7.9	10	8.8	11	9.7	5	4.4	7	6.2	6	5.3
LEHIGH	43	14.8	50	17.2	35	12.0	26	8.9	29	10.0	13	4.5
LUZERNE	52	15.8	40	12.2	53	16.2	38	11.6	18	5.5	9	2.7
LYCOMING	6	5.1	16	13.5	6	5.1	10	8.4	19	16.0	4	3.4
MCKEAN	9	19.1	6	12.7	3	6.4	6	12.7	5	10.6	3	6.4
MERCER	14	11.6	17	14.0	13	10.7	12	9.9	16	13.2	6	5.0
MIFFLIN	15	32.5	5	10.8	3	6.5	0	-	7	15.2	4	8.7
MONROE	19	19.9	14	14.6	13	13.6	6	6.3	5	5.2	7	7.3
MONTGOMERY	77	11.4	78	11.5	39	5.8	63	9.3	55	8.1	30	4.4
MONTOUR	0	-	1	5.6	2	11.3	6	33.8	2	11.3	1	5.6
NORTHAMPTON	19	7.7	25	10.1	27	10.9	21	8.5	19	7.7	9	3.6
NORTHUMBERLAND	12	12.4	10	10.3	18	18.6	9	9.3	16	16.5	5	5.2
PERRY	2	4.9	4	9.7	1	2.4	5	12.1	1	2.4	1	2.4
PHILADELPHIA	480	30.3	213	13.4	241	15.2	270	17.0	99	6.2	267	16.8
PIKE	2	7.2	7	25.0	4	14.3	3	10.7	3	10.7	1	3.6
POTTER	3	17.9	2	12.0	4	23.9	0	-	2	12.0	1	6.0
SCHUYLKILL	12	7.9	26	17.0	22	14.4	24	15.7	16	10.5	3	2.0
SNYDER	3	8.2	5	13.6	7	19.1	2	5.5	3	8.2	1	2.7
SOMERSET	7	8.9	10	12.8	11	14.1	6	7.7	10	12.8	5	6.4
SULLIVAN	1	16.4	1	16.4	1	16.4	0	-	1	16.4	0	-
SUSQUEHANNA	4	9.9	8	19.8	4	9.9	4	9.9	2	5.0	3	7.4
TIOGA	3	7.3	7	17.0	3	7.3	3	7.3	4	9.7	2	4.9
UNION	1	2.8	2	5.5	2	5.5	6	16.6	1	2.8	0	-
VENANGO	2	3.4	9	15.2	8	13.5	5	8.4	9	15.2	3	5.1
WARREN	2	4.4	8	17.8	8	17.8	5	11.1	6	13.3	0	-
WASHINGTON	26	12.7	25	12.2	41	20.0	18	8.8	17	8.3	8	3.9
WAYNE	4	10.0	8	20.0	1	2.5	12	30.0	3	7.5	0	-
WESTMORELAND	31	8.4	43	11.6	47	12.7	34	9.2	29	7.8	17	4.6
WYOMING	1	3.6	3	10.7	0	-	2	7.1	5	17.8	0	-
YORK	28	8.2	47	13.8	29	8.5	21	6.2	27	8.0	14	4.1

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

	HOMICIDE AND LEGAL INTERV		ATHERO-SCLEROSIS		HIV INFECTION		CONGENITAL ANOMALIES		PNEUMO-CONIOSIS		ALL OTHER CAUSES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	824	6.9	756	6.4	750	6.3	577	4.9	492	4.1	14,110	118.8
ADAMS	4	5.1	8	10.2	1	1.3	2	2.6	0	-	76	97.1
ALLEGHENY	71	5.3	63	4.7	96	7.2	52	3.9	8	0.6	1,793	134.2
ARMSTRONG	2	2.7	3	4.1	3	4.1	4	5.4	4	5.4	87	118.4
BEAVER	5	2.7	3	1.6	7	3.8	7	3.8	1	0.5	201	108.0
BEDFORD	0	-	1	2.1	2	4.2	2	4.2	0	-	58	121.0
BERKS	14	4.2	20	5.9	19	5.6	13	3.9	2	0.6	334	99.3
BLAIR	1	0.8	7	5.4	5	3.8	7	5.4	3	2.3	152	116.4
BRADFORD	4	6.6	6	9.8	1	1.6	0	-	0	-	94	154.2
BUCKS	18	3.3	24	4.4	23	4.3	27	5.0	2	0.4	553	102.2
BUTLER	6	3.9	11	7.2	6	3.9	5	3.3	0	-	134	88.2
CAMBRIA	0	-	18	11.0	3	1.8	11	6.7	19	11.7	197	120.8
CAMERON	2	33.8	0	-	0	-	0	-	0	-	6	101.5
CARBON	1	1.8	2	3.5	0	-	2	3.5	9	15.8	64	112.6
CENTRE	1	0.8	8	6.5	1	0.8	4	3.2	0	-	83	67.1
CHESTER	6	1.6	10	2.7	24	6.4	14	3.7	1	0.3	340	90.3
CLARION	0	-	1	2.4	0	-	0	-	0	-	45	107.9
CLEARFIELD	5	6.4	4	5.1	2	2.6	8	10.2	3	3.8	80	102.4
CLINTON	0	-	2	5.4	1	2.7	3	8.1	0	-	34	91.4
COLUMBIA	2	3.2	8	12.7	1	1.6	2	3.2	2	3.2	72	113.9
CRAWFORD	0	-	21	24.4	1	1.2	4	4.6	0	-	93	107.9
CUMBERLAND	3	1.5	23	11.8	5	2.6	11	5.6	0	-	171	87.6
DAUPHIN	18	7.6	21	8.8	28	11.8	12	5.0	2	0.8	252	106.0
DELAWARE	36	6.6	30	5.5	30	5.5	30	5.5	5	0.9	699	127.6
ELK	1	2.9	1	2.9	0	-	5	14.3	1	2.9	38	109.0
ERIE	8	2.9	17	6.2	8	2.9	16	5.8	0	-	306	111.0
FAYETTE	9	6.2	11	7.6	3	2.1	5	3.4	11	7 6	188	129.3
FOREST	0	-	0	-	0	-	0	-	0	-	1	20.8
FRANKLIN	3	2.5	16	13.2	5	4.1	3	2.5	1	0.8	165	136.3
FULTON	1	7.2	10	72.3	0	-	2	14.5	0	-	7	50.6
GREENE	0	-	0	-	1	2.5	2	5.1	4	10.1	54	136.5
HUNTINGDON	4	9.1	3	6.8	2	4.5	2	4.5	2	4.5	28	63.4
INDIANA	0	-	19	21.1	3	3.3	5	5.6	3	3.3	88	97.8
JEFFERSON	0	-	2	4.3	0	-	2	4.3	2	4.3	60	130.2

* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

(CONTINUED)

TABLE C-31 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1990

COUNTY	HOMICIDE AND LEGAL INTERV		ATHERO-SCLEROSIS		HIV INFECTION		CONGENITAL ANOMALIES		PNEUMO-CONIOSIS		ALL OTHER CAUSES	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	0	-	2	9.7	0	-	1	4.8	2	9.7	34	164.8
LACKAWANNA	3	1.4	18	8.2	7	3.2	10	4.6	38	17.3	280	127.8
LANCASTER	11	2.6	20	4.7	18	4.3	31	7.3	2	0.5	383	90.6
LAWRENCE	5	5.2	6	6.2	1	1.0	2	2.1	0	-	97	100.8
LEBANON	0	-	4	3.5	4	3.5	6	5.3	0	-	122	107.3
LEHIGH	3	1.0	22	7.6	18	6.2	16	5.5	0	-	291	100.0
LUZERNE	15	4.6	46	14.0	8	2.4	14	4.3	180	54.9	381	116.1
LYCOMING	3	2.5	8	6.7	8	6.7	7	5.9	0	-	122	102.8
MCKEAN	1	2.1	3	6.4	2	4.2	3	6.4	1	2.1	68	144.3
MERCER	1	0.8	13	10.7	3	2.5	5	4.1	0	-	155	128.1
MIFFLIN	1	2.2	1	2.2	0	-	1	2.2	0	-	57	123.4
MONROE	2	2.1	1	1.0	3	3.1	3	3.1	2	2.1	102	106.6
MONTGOMERY	21	3.1	30	4.4	30	4.4	36	5.3	3	0.4	779	114.9
MONTOUR	0	-	1	5.6	0	-	0	-	0	-	46	259.4
NORTHAMPTON	11	4.5	17	6.9	14	5.7	8	3.2	2	0.8	234	94.7
NORTHUMBERLAND	1	1.0	9	9.3	3	3.1	6	6.2	25	25.8	127	131.2
PERRY	0	-	5	12.1	1	2.4	3	7.3	0	-	23	55.9
PHILADELPHIA	485	30.6	80	5.0	313	19.7	100	6.3	8	0.5	2,576	162.5
PIKE	0	-	1	3.6	1	3.6	0	-	1	3.6	39	139.5
POTTER	1	6.0	2	12.0	0	-	3	17.9	0	-	28	167.5
SCHUYLKILL	7	4.6	7	4.6	1	0.7	9	5.9	111	72.7	182	119.3
SNYDER	0	-	1	2.7	0	-	5	13.6	1	2.7	30	81.8
SOMERSET	2	2.6	8	10.2	1	1.3	5	6.4	6	7.7	76	97.2
SULLIVAN	0	-	0	-	0	-	0	-	0	-	6	98.3
SUSQUEHANNA	0	-	2	5.0	2	5.0	2	5.0	0	-	30	74.3
TIOGA	2	4.9	3	7.3	0	-	3	7.3	1	2.4	41	99.7
UNION	1	2.8	3	8.3	0	-	1	2.8	0	-	39	107.8
VENANGO	2	3.4	3	5.1	1	1.7	2	3.4	0	-	75	126.3
WARREN	0	-	2	4.4	0	-	1	2.2	0	-	45	99.9
WASHINGTON	8	3.9	15	7.3	5	2.4	6	2.9	10	4.9	256	125.1
WAYNE	1	2.5	2	5.0	4	10.0	2	5.0	1	2.5	47	117.7
WESTMORELAND	3	0.8	30	8.1	12	3.2	15	4.1	11	3.0	445	120.2
WYOMING	1	3.6	4	14.2	1	3.6	1	3.6	1	3.6	18	64.1
YORK	8	2.4	14	4.1	8	2.4	8	2.4	1	0.3	323	95.1

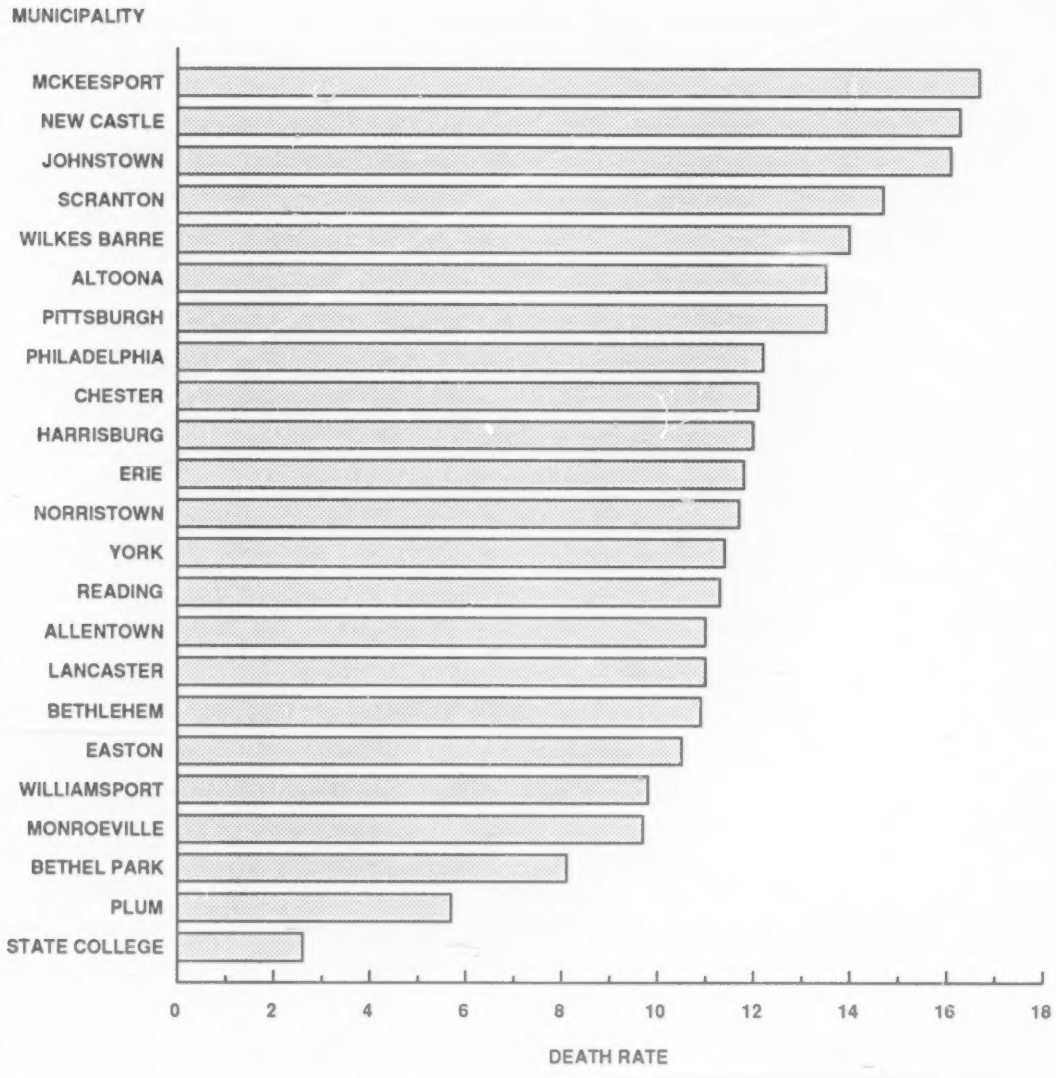
* RATE PER 100,000 POPULATION FOR EACH COUNTY, 1990.

TABLE C-32
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS
FOR SELECTED MUNICIPALITIES, NUMBER AND RATE*: PENNSYLVANIA, 1990

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
STATE TOTAL	171,053	14.4	121,081	10.2	1,627	9.5	1,077	6.3	1,955	11.3
ALLENTOWN	1,935	18.4	1,159	11.0	15	7.8	9	4.7	37	18.8
ALTOONA	683	13.2	700	13.5	8	11.7	4	5.9	2	2.9
BETHEL PARK	431	12.7	273	8.1	2	4.6	2	4.6	7	16.0
BETHLEHEM	1,011	14.2	779	10.9	10	9.9	7	6.9	8	7.9
CHESTER	1,099	26.3	508	12.1	20	18.2	9	8.2	20	17.9
EASTON	534	20.3	276	10.5	3	5.6	1	1.9	7	12.9
ERIE	2,253	20.7	1,278	11.8	35	15.5	24	10.7	29	12.7
HARRISBURG	1,220	23.3	631	12.0	15	12.3	8	6.6	20	16.1
JOHNSTOWN	398	14.1	452	16.1	4	10.1	2	5.0	8	19.7
LANCASTER	1,369	24.6	613	11.0	15	11.0	8	5.8	19	13.7
MCKEESPORT	445	17.1	435	16.7	4	9.0	1	2.2	3	6.7
MONROEVILLE	337	11.6	282	9.7	3	8.9	2	5.9	1	3.0
NEW CASTLE	444	15.7	461	16.3	5	11.3	4	9.0	7	15.5
NORRISTOWN	679	22.1	359	11.7	6	8.8	2	2.9	12	17.4
PHILADELPHIA	29,714	18.7	19,385	12.2	459	15.4	306	10.3	452	15.0
PITTSBURGH	5,509	14.9	4,991	13.5	73	13.3	51	9.3	103	18.4
PLUM	407	15.9	145	5.7	3	7.4	2	4.9	4	9.7
READING	1,768	22.6	888	11.3	20	11.3	17	9.6	20	11.2
SCRANTON	1,137	13.9	1,206	14.7	6	5.3	4	3.5	5	4.4
STATE COLLEGE	209	5.4	100	2.6	2	9.6	1	4.8	3	14.2
WILKES BARRE	570	12.0	667	14.0	6	10.5	4	7.0	9	15.5
WILLIAMSPORT	615	19.3	314	9.8	6	9.8	4	6.5	7	11.3
YORK	906	21.5	480	11.4	11	12.1	7	7.7	20	21.6
ALL OTHER AREAS	117,380	13.2	84,699	9.5	896	7.6	598	5.1	1,152	9.7

* BIRTH AND DEATH CRUDE RATES PER 1,000 POPULATION, 1990.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS.
FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS PLUS FETAL DEATHS).
**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

FIGURE C-30
RESIDENT CRUDE DEATH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, 1990



NOTE: RATE PER 1,000 POPULATION, 1990. SEE TABLE C-32 FOR CORRESPONDING DATA.

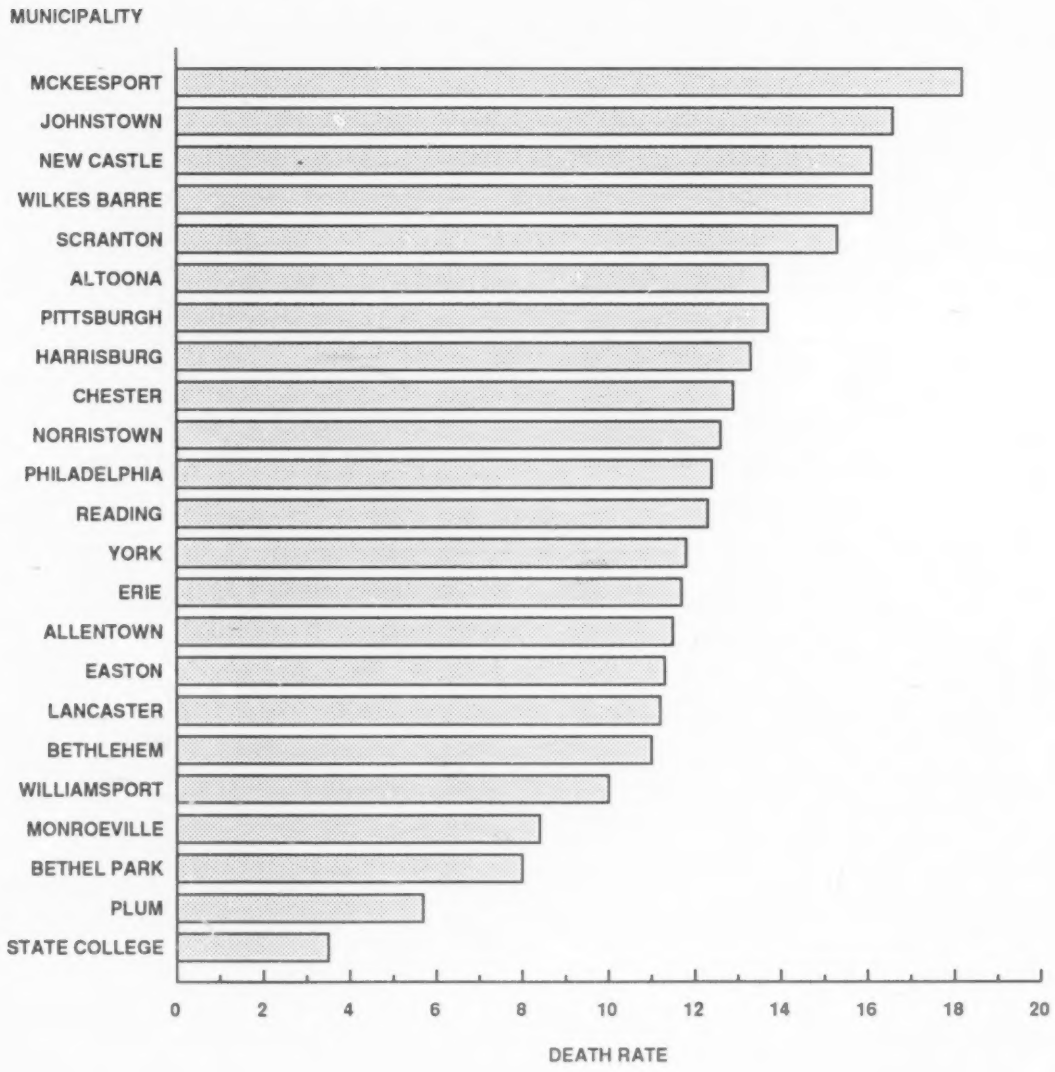
TABLE C-33
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS FOR SELECTED MUNICIPALITIES
NUMBER AND AVERAGE ANNUAL RATE*: PENNSYLVANIA, 1986-1990

	ALL DEATHS 1986-1990		INFANT DEATHS 1986-1990		NEONATAL DEATHS 1986-1990	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	618,212	10.3	8,220	9.9	5,588	6.8
ALLENTOWN	6,021	11.5	90	10.1	65	7.3
ALTOONA	3,609	13.7	34	10.4	21	6.4
BETHEL PARK	1,370	8.0	11	5.0	7	3.2
BETHLEHEM	3,934	11.0	43	9.2	29	6.2
CHESTER	2,745	12.9	87	16.4	58	10.9
EASTON	1,520	11.3	27	11.1	20	8.2
ERIE	6,592	11.7	143	13.1	101	9.2
HARRISBURG	3,434	13.3	97	16.1	64	10.6
JOHNSTOWN	2,510	16.6	27	13.9	13	6.7
LANCASTER	3,245	11.2	73	12.0	47	7.7
MCKEESPORT	2,407	18.2	30	15.3	18	9.2
MONROEVILLE	1,243	8.4	12	7.1	11	6.5
NEW CASTLE	2,397	16.1	27	12.6	17	7.9
NORRISTOWN	2,061	12.6	51	14.1	34	9.4
PHILADELPHIA	101,495	12.4	2,378	16.5	1,563	10.8
PITTSBURGH	25,794	13.7	437	16.3	321	12.0
PLUM	719	5.7	14	7.4	9	4.8
READING	4,739	12.3	100	12.9	69	8.9
SCRANTON	6,222	15.3	42	7.8	26	4.8
STATE COLLEGE	602	3.5	11	11.1	8	8.1
WILKES BARRE	3,805	16.1	27	8.7	16	5.2
WILLIAMSPORT	1,590	10.0	32	11.3	23	8.2
YORK	2,617	11.8	58	13.1	40	9.0
ALL OTHER AREAS	427,541	9.6	4,369	7.7	3,008	5.3

* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH SPECIFIED AREA, 1986-1990.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH SPECIFIED AREA, 1986-1990.

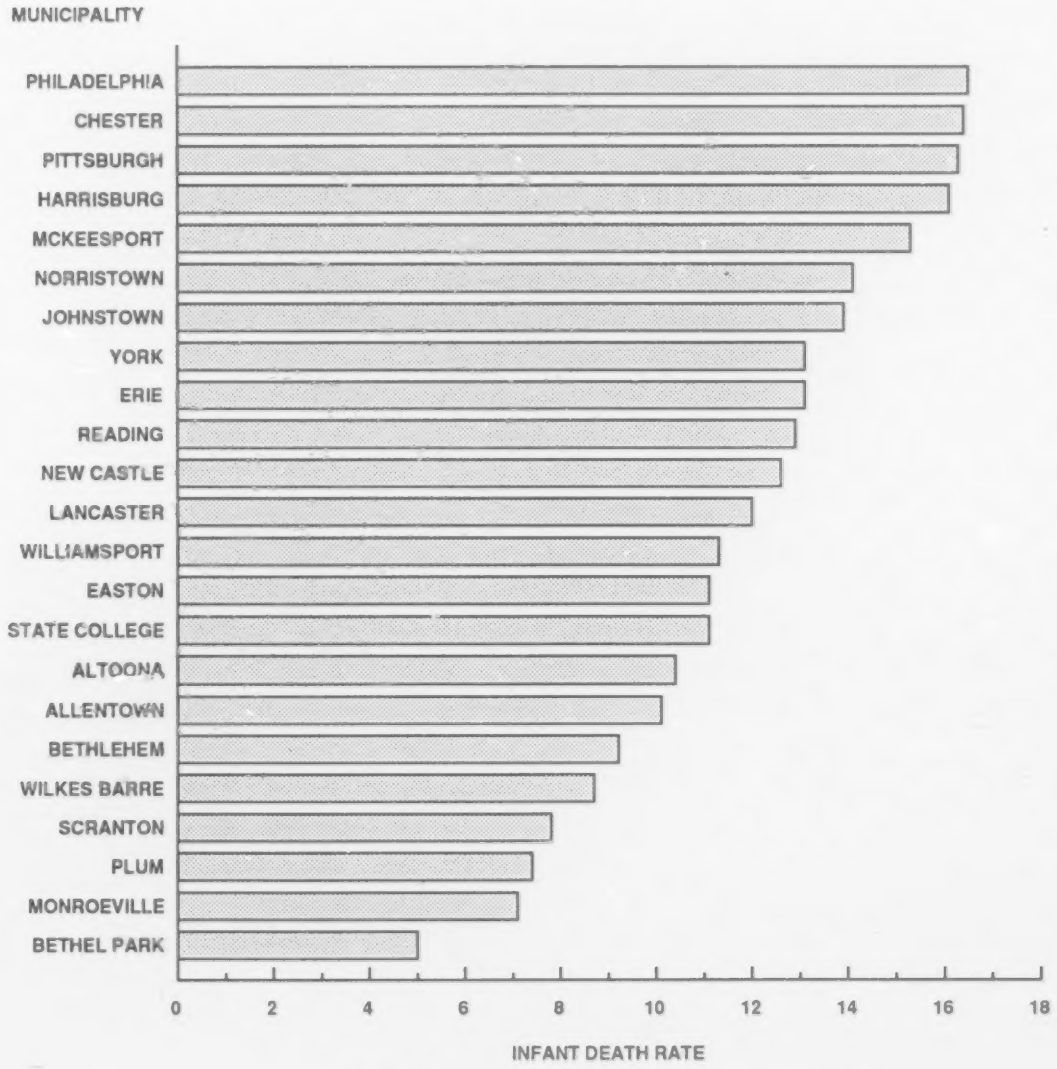
NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

FIGURE C-31
RESIDENT AVERAGE ANNUAL CRUDE DEATH RATES
BY SELECTED MUNICIPALITIES, PENNSYLVANIA, 1986-1990



NOTE: RATE PER 1,000 POPULATION, 1986-1990. SEE TABLE C-33 FOR CORRESPONDING DATA.

FIGURE C-32
RESIDENT AVERAGE ANNUAL INFANT DEATH RATES
BY SELECTED MUNICIPALITIES, PENNSYLVANIA, 1986-1990



NOTE: RATE PER 1,000 LIVE BIRTHS, 1986-1990. SEE TABLE C-33 FOR CORRESPONDING DATA.

TABLE C-34
RESIDENT DEATHS BY AGE GROUP AND SELECTED MUNICIPALITIES
PENNSYLVANIA, 1990

MUNICIPALITY	TOTAL DEATHS	AGE AT DEATH (IN YEARS) UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
STATE TOTAL	121,081	1,914	164	164	538	785	2,376	3,348	5,600	14,083	29,163	36,609	26,337
ALLENTOWN	1,159	16	0	0	3	4	25	34	50	121	256	366	284
ALTOONA	700	10	1	0	2	2	8	11	23	92	176	206	169
BETHEL PARK	273	2	0	0	0	0	4	6	10	38	75	80	58
BETHLEHEM	779	13	0	1	0	2	8	16	33	78	197	255	176
CHESTER	508	23	1	1	3	4	30	26	38	71	124	124	63
EASTON	276	6	0	0	1	1	2	10	4	35	68	69	80
ERIE	1,278	38	2	4	3	9	23	30	52	126	343	367	281
HARRISBURG	631	19	0	2	7	4	31	27	42	74	151	157	117
JOHNSTOWN	452	4	0	0	0	3	8	11	17	67	117	142	83
LANCASTER	613	17	3	2	1	7	21	22	32	75	138	178	117
MCKEESPORT	435	7	0	0	2	1	4	11	17	54	107	111	121
MONROEVILLE	282	3	0	0	1	2	4	7	13	46	59	76	71
NEW CASTLE	461	5	0	1	1	0	8	7	15	46	107	146	125
NORRISTOWN	359	9	1	1	1	0	13	21	23	50	89	85	66
PHILADELPHIA	19,385	534	28	28	133	209	677	857	1,260	2,537	4,486	5,191	3,445
PITTSBURGH	4,991	80	7	6	13	21	111	154	217	605	1,263	1,461	1,053
PLUM	145	3	0	0	0	0	5	1	11	26	31	37	31
READING	888	25	2	1	4	9	29	28	47	93	182	296	172
SCRANTON	1,206	6	1	0	2	9	20	27	55	113	300	416	257
STATE COLLEGE	100	2	0	0	1	2	5	0	3	16	24	25	22
WILKES BARRE	667	7	1	0	1	3	9	15	25	56	176	215	159
WILLIAMSPORT	314	8	2	0	3	1	5	12	19	47	69	81	67
YORK	480	11	1	1	3	4	6	14	28	53	120	144	95
ALL OTHER AREAS	84,699	1,066	114	116	353	488	1,320	2,001	3,566	9,564	20,505	26,381	19,225

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-35
RESIDENT DEATHS BY RACE AND HISPANIC ORIGIN
FOR SELECTED MUNICIPALITIES, PENNSYLVANIA, 1990

COUNTY	RACE			HISPANIC ORIGIN
	ALL RACES	WHITE*	BLACK	
STATE TOTAL	121,081	109,310	11,445	915
ALLENTOWN	1,159	1,129	28	23
ALTOONA	700	691	9	0
BETHEL PARK	273	266	3	1
BETHLEHEM	779	764	13	28
CHESTER	508	211	296	9
EASTON	276	258	17	1
ERIE	1,278	1,183	93	13
HARRISBURG	631	413	214	15
JOHNSTOWN	452	425	26	4
LANCASTER	613	580	33	53
MCKEESPORT	435	395	40	1
MONROEVILLE	282	264	13	0
NEW CASTLE	461	444	17	1
NORRISTOWN	359	286	72	3
PHILADELPHIA	19,385	11,794	7,453	419
PITTSBURGH	4,991	3,834	1,143	3
PLUM	145	142	3	0
READING	888	815	72	48
SCRANTON	1,206	1,190	15	0
STATE COLLEGE	100	96	1	0
WILKES BARRE	667	663	4	2
WILLIAMSPORT	314	297	17	1
YORK	480	427	52	13
ALL OTHER AREAS	84,699	82,743	1,809	277

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

NOTE: HISPANIC ORIGIN CAN BE OF ANY RACE.
SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-36
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

MUNICIPALITY	ALL CAUSES		HEART DISEASE							
			TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	121,081	1019.1	43,204	363.6	440	3.7	1,014	8.5	12,847	108.1
ALLENTOWN	1,159	1102.9	454	432.0	4	3.8	8	7.6	125	118.9
ALTOONA	700	1349.2	279	537.8	5	9.6	2	3.9	82	158.1
BETHEL PARK	273	807.1	98	289.7	3	8.9	0	-	28	82.8
BETHLEHEM	779	1090.6	278	389.2	2	2.8	3	4.2	75	105.0
CHESTER	508	1213.7	141	336.9	3	7.2	11	26.3	28	66.9
EASTON	276	1050.4	92	350.1	1	3.8	2	7.6	29	110.4
ERIE	1,278	1175.5	450	413.9	5	4.6	11	10.1	152	139.8
HARRISBURG	631	1204.8	211	402.9	3	5.7	11	21.0	47	89.7
JOHNSTOWN	452	1606.6	179	636.2	1	3.6	4	14.2	57	202.6
LANCASTER	613	1103.5	209	376.2	3	5.4	5	9.0	78	140.4
MCKEESPORT	435	1672.0	154	591.9	1	3.8	6	23.1	51	196.0
MONROEVILLE	282	966.8	103	353.1	0	-	2	6.9	32	109.7
NEW CASTLE	461	1627.0	201	709.4	5	17.6	4	14.1	70	247.1
NORRISTOWN	359	1167.5	110	357.7	2	6.5	4	13.0	30	97.6
PHILADELPHIA	19,385	1222.6	6,050	381.6	53	3.3	206	13.0	1,247	78.6
PITTSBURGH	4,991	1349.4	1,756	474.7	27	7.3	64	17.3	535	144.6
PLUM	145	566.2	51	199.1	1	3.9	2	7.8	19	74.2
READING	888	1132.9	333	424.9	5	6.4	9	11.5	66	84.2
SCRANTON	1,206	1474.2	508	621.0	9	11.0	11	13.4	161	196.8
STATE COLLEGE	100	256.9	34	87.4	0	-	0	-	11	28.3
WILKES BARRE	667	1403.5	260	547.1	5	10.5	5	10.5	66	138.9
WILLIAMSPORT	314	983.3	107	335.1	1	3.1	2	6.3	37	115.9
YORK	480	1137.7	183	433.7	1	2.4	3	7.1	50	118.5
ALL OTHER AREAS	84,699	952.7	30,963	348.3	300	3.4	639	7.2	9,771	109.9

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

(CONTINUED)

TABLE C-36 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	15,476	130.3	13,427	113.0	29,677	249.8	421	3.5	7,249	61.0	8,053	67.8
ALLENTOWN	170	161.8	147	139.9	278	264.5	8	7.6	69	65.7	67	63.8
ALTOONA	117	225.5	73	140.7	175	337.3	2	3.9	45	86.7	53	102.2
BETHEL PARK	33	97.6	34	100.5	80	236.5	0	-	20	59.1	26	76.9
BETHLEHEM	94	131.6	104	145.6	219	306.6	3	4.2	53	74.2	56	78.4
CHESTER	45	107.5	54	129.0	120	286.7	2	4.8	29	69.3	34	81.2
EASTON	25	95.1	35	133.2	76	289.2	2	7.6	20	76.1	24	91.3
ERIE	174	160.0	108	99.3	272	250.2	3	2.8	75	69.0	68	62.5
HARRISBURG	75	143.2	75	143.2	149	284.5	1	1.9	40	76.4	50	95.5
JOHNSTOWN	65	231.0	52	184.8	116	412.3	2	7.1	24	85.3	31	110.2
LANCASTER	55	99.0	68	122.4	148	266.4	3	5.4	35	63.0	57	102.6
MCKEESPORT	48	184.5	48	184.5	110	422.8	1	3.8	22	84.6	32	123.0
MONROEVILLE	27	92.6	42	144.0	68	233.1	1	3.4	19	65.1	17	58.3
NEW CASTLE	104	367.1	18	63.5	104	367.1	1	3.5	35	123.5	32	112.9
NORRISTOWN	42	136.6	32	104.1	84	273.2	1	3.3	22	71.5	21	68.3
PHILADELPHIA	1,976	124.6	2,568	162.0	4,744	299.2	90	5.7	1,187	74.9	1,359	85.7
PITTSBURGH	549	148.4	581	157.1	1,202	325.0	19	5.1	264	71.4	386	104.4
PLUM	16	62.5	13	50.8	38	148.4	0	-	10	39.0	14	54.7
READING	142	181.2	111	141.6	207	264.1	0	-	50	63.8	55	70.2
SCRANTON	140	171.1	187	228.6	294	359.4	4	4.9	89	108.8	74	90.5
STATE COLLEGE	10	25.7	13	33.4	26	66.8	0	-	7	18.0	8	20.6
WILKES BARRE	80	168.3	104	218.8	138	290.4	3	6.3	37	77.9	35	73.6
WILLIAMSPORT	35	109.6	32	100.2	76	238.0	2	6.3	19	59.5	22	68.9
YORK	93	220.4	36	85.3	114	270.2	2	4.7	33	78.2	32	75.8
ALL OTHER AREAS	11,361	127.8	8,892	100.0	20,839	234.4	271	3.0	5,045	56.7	5,500	61.9

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

(CONTINUED)

TABLE C-36 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	3,400	28.6	4,701	39.6	3,145	26.5	1,008	8.5	1,700	14.3
ALLENTOWN	24	22.8	48	45.7	36	34.3	9	8.6	17	16.2
ALTOONA	20	38.5	24	46.3	13	25.1	6	11.6	12	23.1
BETHEL PARK	9	26.6	11	32.5	8	23.7	1	3.0	5	14.8
BETHLEHEM	24	33.6	39	54.6	18	25.2	13	18.2	13	18.2
CHESTER	11	26.3	19	45.4	9	21.5	7	16.7	9	21.5
EASTON	5	19.0	9	34.3	5	19.0	7	26.6	4	15.2
ERIE	29	26.7	54	49.7	21	19.3	8	7.4	14	12.9
HARRISBURG	17	32.5	20	38.2	10	19.1	6	11.5	5	9.5
JOHNSTOWN	12	42.7	15	53.3	19	67.5	6	21.3	7	24.9
LANCASTER	8	14.4	19	34.2	9	16.2	9	16.2	8	14.4
MCKEESPORT	17	65.3	18	69.2	8	30.8	5	19.2	7	26.9
MONROEVILLE	13	44.6	7	24.0	7	24.0	1	3.4	3	10.3
NEW CASTLE	11	38.8	15	52.9	4	14.1	4	14.1	2	7.1
NORRISTOWN	13	42.3	16	52.0	7	22.8	3	9.8	1	3.3
PHILADELPHIA	525	33.1	757	47.7	459	28.9	142	9.0	225	14.2
PITTSBURGH	132	35.7	163	44.1	152	41.1	32	8.7	54	14.6
PLUM	4	15.4	3	11.7	3	11.7	2	7.8	2	7.8
READING	25	31.9	33	42.1	26	33.2	5	6.4	13	16.6
SCRANTON	34	41.6	39	47.7	34	41.6	9	11.0	11	13.4
STATE COLLEGE	3	7.7	2	5.1	1	2.6	0	-	5	12.8
WILKES BARRE	24	50.5	20	42.1	8	16.8	4	8.4	7	14.7
WILLIAMSPORT	12	37.6	6	18.8	9	28.2	3	9.4	3	9.4
YORK	7	16.6	24	56.9	8	19.0	3	7.1	5	11.9
ALL OTHER AREAS	2,421	27.2	3,340	37.6	2,271	25.5	723	8.1	1,268	14.3

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

(CONTINUED)

TABLE C-36 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

	CEREBROVASCULAR DISEASE		CHRONIC OBSTRUCTIVE PULMONARY DIS		UNINTENTIONAL INJURIES: OTHER		UNINTENTIONAL INJURIES: MOTOR VEHICLE		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	7,678	64.6	4,487	37.8	2,243	18.9	1,758	14.8	3,876	32.6	3,082	25.9
ALLENTOWN	58	55.2	45	42.8	25	23.8	9	8.6	31	29.5	30	28.5
ALTOONA	57	109.9	28	54.0	8	15.4	8	15.4	20	38.5	14	27.0
BETHEL PARK	20	59.1	14	41.4	2	5.9	1	3.0	9	26.6	9	26.6
BETHLEHEM	56	78.4	18	25.2	13	18.2	6	8.4	13	18.2	12	16.8
CHESTER	29	69.3	26	62.1	13	31.1	3	7.2	14	33.4	21	50.2
EASTON	21	79.9	13	49.5	6	22.8	1	3.8	8	30.4	11	41.9
ERIE	127	116.8	60	55.2	32	29.4	18	16.6	33	30.4	26	23.9
HARRISBURG	33	63.0	19	36.3	19	36.3	10	19.1	17	32.5	20	38.2
JOHNSTOWN	31	110.2	13	46.2	10	35.5	3	10.7	9	32.0	12	42.7
LANCASTER	39	70.2	36	64.8	16	28.8	6	10.8	16	28.8	24	43.2
MCKEESPORT	18	69.2	12	46.1	10	38.4	4	15.4	17	65.3	20	76.9
MONROEVILLE	24	82.3	5	17.1	6	20.6	1	3.4	16	54.9	6	20.6
NEW CASTLE	32	112.9	12	42.4	3	10.6	2	7.1	15	52.9	16	56.5
NORRISTOWN	24	78.1	18	58.5	19	61.8	5	16.3	5	16.3	7	22.8
PHILADELPHIA	1,185	74.7	574	36.2	510	32.2	199	12.6	557	35.1	434	27.4
PITTSBURGH	288	77.9	197	53.3	103	27.8	31	8.4	177	47.9	126	34.1
PLUM	7	27.3	9	35.1	2	7.8	3	11.7	3	11.7	3	11.7
READING	46	58.7	33	42.1	20	25.5	10	12.8	23	29.3	21	26.8
SCRANTON	66	80.7	37	45.2	21	25.7	9	11.0	37	45.2	28	34.2
STATE COLLEGE	7	18.0	1	2.6	1	2.6	3	7.7	2	5.1	1	2.6
WILKES BARRE	38	80.0	38	80.0	14	29.5	8	16.8	12	25.3	22	46.3
WILLIAMSPORT	19	59.5	15	47.0	4	12.5	4	12.5	11	34.4	10	31.3
YORK	23	54.5	18	42.7	14	33.2	6	14.2	13	30.8	12	28.4
ALL OTHER AREAS	5,430	61.1	3,246	36.5	1,372	15.4	1,408	15.8	2,818	31.7	2,197	24.7

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

(CONTINUED)

TABLE C-36 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

	SEPTICEMIA		SUICIDE		NEPHRITIS AND NEPHROSIS		LIVER DISEASE AND CIRRHOSIS		AORTIC ANEURYSM		PERINATAL CONDITIONS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	1,705	14.3	1,446	12.2	1,398	11.8	1,232	10.4	962	8.1	824	6.9
ALLENTOWN	19	18.1	18	17.1	18	17.1	10	9.5	1	13.3	6	5.7
ALTOONA	8	15.4	2	3.9	7	13.5	8	15.4	7	13.5	4	7.7
BETHEL PARK	1	3.0	3	8.9	4	11.8	1	3.0	2	5.9	1	3.0
BETHLEHEM	8	11.2	8	11.2	7	9.8	9	12.6	5	7.0	5	7.0
CHESTER	10	23.9	7	16.7	10	23.9	8	19.1	7	16.7	8	19.1
EASTON	1	3.8	3	11.4	1	3.8	2	7.6	2	7.6	1	3.8
ERIE	21	19.3	10	9.2	13	12.0	14	12.9	4	3.7	19	17.5
HARRISBURG	10	19.1	4	7.6	13	24.8	5	9.5	3	5.7	8	15.3
JOHNSTOWN	1	3.6	8	28.4	8	28.4	3	10.7	4	14.2	1	3.6
LANCASTER	10	18.0	10	18.0	4	7.2	7	12.6	3	5.4	3	5.4
MCKEESPORT	11	42.3	3	11.5	6	23.1	4	15.4	7	26.9	1	3.8
MONROEVILLE	7	24.0	3	10.3	2	6.9	0	-	5	17.1	2	6.9
NEW CASTLE	3	10.6	2	7.1	7	24.7	4	14.1	6	21.2	4	14.1
NORRISTOWN	2	6.5	4	13.0	2	6.5	7	22.8	3	9.8	2	6.5
PHILADELPHIA	480	30.3	213	13.4	241	15.2	270	17.0	99	6.2	267	16.8
PITTSBURGH	81	21.9	56	15.1	73	19.7	61	16.5	30	8.1	44	11.9
PLUM	2	7.8	2	7.8	4	15.6	1	3.9	0	-	2	7.8
READING	14	17.9	9	11.5	18	23.0	13	16.6	4	5.1	15	19.1
SCRANTON	13	15.9	14	17.1	15	18.3	15	18.3	10	12.2	4	4.9
STATE COLLEGE	1	2.6	3	7.7	0	-	1	2.6	2	5.1	1	2.6
WILKES BARRE	10	21.0	3	6.3	7	14.7	4	8.4	5	10.5	4	8.4
WILLIAMSPORT	1	3.1	7	21.9	0	-	4	12.5	9	28.2	3	9.4
YORK	4	9.5	7	16.6	3	7.1	8	19.0	5	11.9	3	7.1
ALL OTHER AREAS	987	11.1	1,047	11.8	935	10.5	773	8.7	726	8.2	416	4.7

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

(CONTINUED)

TABLE C-36
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

	HOMICIDE AND LEGAL INTERV		ATHERO-SCLEROSIS		HIV INFECTION		CONGENITAL ANOMALIES		PNEUMO-CONIOSIS		ALL OTHER CAUSES	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	824	6.9	756	6.4	750	6.3	577	4.9	492	4.1	14,110	118.8
ALLENTOWN	0	-	4	3.8	13	12.4	7	6.7	0	-	120	114.2
ALTOONA	0	-	2	3,9	1	1.9	1	1.9	0	-	71	136.9
BETHEL PARK	0	-	1	3.0	2	5.9	1	3.0	0	-	24	71.0
BETHLEHEM	7	9.8	9	12.6	6	8.4	2	2.8	1	1.4	97	135.8
CHESTER	14	33.4	2	4.8	8	19.1	3	7.2	1	2.4	63	150.5
EASTON	1	3.8	0	-	2	7.6	0	-	0	-	35	133.2
ERIE	6	5.5	7	6.4	4	3.7	9	8.3	0	-	153	140.7
HARRISBURG	14	26.7	5	9.5	19	36.3	4	7.6	0	-	68	129.8
JOHNSTOWN	0	-	5	17.8	2	7.1	3	10.7	0	-	44	156.4
LANCASTER	4	7.2	3	5.4	13	23.4	5	9.0	0	-	57	102.6
MCKEESPORT	3	11.5	1	3.8	1	3.8	1	3.8	0	-	52	199.9
MONROEVILLE	0	-	2	6.9	0	-	1	3.4	0	-	31	106.3
NEW CASTLE	2	7.1	2	7.1	1	3.5	1	3.5	0	-	44	155.3
NORRISTOWN	3	9.8	2	6.5	4	13.0	3	9.8	0	-	55	178.9
PHILADELPHIA	485	30.6	80	5.0	313	19.7	100	6.3	8	0.5	2,576	162.5
PITTSBURGH	40	10.8	22	5.9	49	13.2	15	4.1	2	0.5	638	172.5
PLUM	0	-	0	-	0	-	0	-	2	7.8	16	62.5
READING	13	16.6	4	5.1	11	14.0	3	3.8	0	-	91	116.1
SCRANTON	1	1.2	6	7.3	3	3.7	4	4.9	4	4.9	117	143.0
STATE COLLEGE	0	-	3	7.7	0	-	0	-	0	-	14	36.0
WILKES BARRE	4	8.4	13	27.4	3	6.3	2	4.2	17	35.8	65	136.8
WILLIAMSPORT	2	6.3	0	-	5	15.7	2	6.3	0	-	35	109.6
YORK	3	7.1	4	9.5	4	9.5	2	4.7	0	-	54	128.0
ALL OTHER AREAS	222	2.5	579	6.5	286	3.2	408	4.6	457	5.1	9,590	107.9

* RATE PER 100,000 POPULATION FOR EACH SPECIFIED AREA, 1990.

INDUCED ABORTIONS

1990 INDUCED ABORTION STATISTICS

Data Highlights.....

THE STATE

Total Abortions: There were 49,076 induced terminations of pregnancy reported among residents of Pennsylvania during 1990 – 1.7 percent more than the 48,274 performed in 1989 and the highest annual number since 1986. This is also the second consecutive year an increase was reported. However, the 1990 figure is still among the lower annual numbers of induced abortions to residents since 1975 – the first full year for which data were collected. The highest number of induced abortions to residents occurred in 1980 when 61,064 were reported. The total annual number of induced abortions consistently increased every year from 1975 to 1980. However, since 1980, the annual figures have been decreasing or have been lower than the 1980 total. The annual numbers of occurrences have been slightly higher than the resident figures and have followed the same trend as for the resident figures since 1975.

Abortion Rate: The induced abortion rate per 1,000 females aged 15-44 years was 18.3 in 1990, compared to 17.5 in 1989. As shown in the line graph at the top of the page, the induced abortion rates for residents of Pennsylvania followed the same trend as for the annual numbers – rates increased between 1975 and 1980, peaked in 1980 at 23.1 and then have been decreasing or lower since 1980.

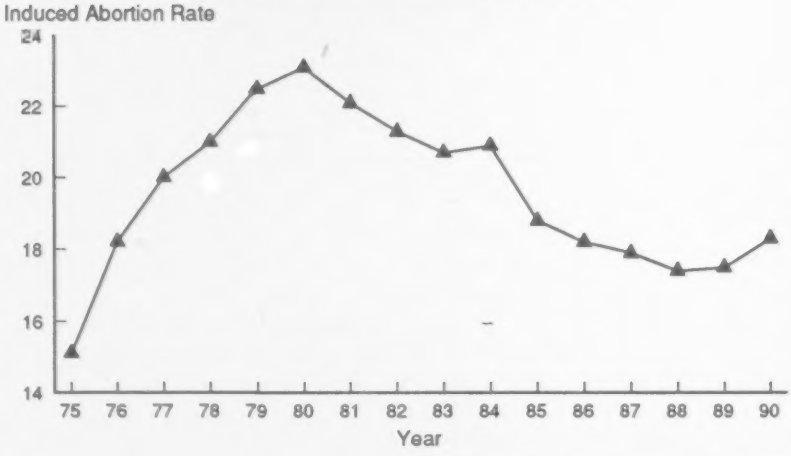
Age of Woman: Almost 55 percent of the induced abortions among residents of Pennsylvania in 1990 were to women 20-29 years of age. Nearly a quarter of all the induced abortions performed to residents that year were to teenagers (under 20 years of age). Almost all (96.1 percent) of the 11,705 procedures among teenagers were to females 15-19 years of age. The median age of a resident woman obtaining an induced abortion in Pennsylvania was 23.9 in 1990.

Female residents aged 20-24 had the highest age-specific induced abortion rate in 1990 (38.2), followed by residents 15-19 years of age (28.0), and those 25-29 years of age (22.0). Residents 45 years of age and older and those under 15 years of age had the lowest age-specific induced abortion rates in 1990, 0.1 and 1.2, respectively.

Historical data on induced abortions by age, available only for occurrences, provide a basis for some trend analysis. Women in their twenties accounted for 54.4 percent of all induced abortions that occurred in the state during 1990, 55.5 percent in 1980, and 49.5 percent in 1975. Females 19 years of age and younger (teenagers) accounted for 24.0 percent of all the induced abortions that occurred in 1990. In 1980, the corresponding figure was 30.7 percent. There was a 37.9 percent decrease in the number of induced abortions that occurred among teenagers in 1990, as compared to 1980. Women aged 30-39 obtained 12.4 percent of all abortions that occurred in the state during 1980. By 1990, they accounted for 19.8 percent, an increase of almost 60 percent. The median age of a woman obtaining an abortion in Pennsylvania was 22.3 in 1975, 22.6 in 1980, 23.3 in 1985, and 23.9 in 1990.

Gestational Age: Ninety percent of all induced abortions to residents of Pennsylvania in 1990 were performed during the first trimester

Induced Abortion Rate*
Pennsylvania Residents, 1975-1990



*Rate per 1,000 Females 15-44 Years of Age

(three months or twelve weeks) of pregnancy. Induced abortions were performed between the thirteenth and nineteenth week of fetal gestation for 9.0 percent of all procedures to residents in 1990. Only 417 or 0.8 percent of the induced abortions to residents in 1990 were performed at or after the twentieth week of fetal gestation. The percentage distributions for occurrences were similar to those for residents.

Type of Procedure: Almost 90 percent of induced abortions (for both residents and all occurrences) in 1990 were performed primarily by suction curettage. Approximately 10 percent of the procedures were performed primarily by dilation and evacuation. The few remaining procedures were performed by either intra-uterine saline and prostaglandin instillation or other methods.

COUNTIES

County of Residence: Residents of Philadelphia accounted for over one-third (34.2 percent or 16,764) of the total induced abortions performed for Pennsylvania residents in 1990. Allegheny County residents accounted for 14.0 percent or 6,877. Together, the residents of these two counties represented almost half of the total induced abortions performed in the state in 1990. Philadelphia and Allegheny Counties also had the highest induced abortion rates among the counties – 44.4 and 22.8 per 1,000 females 15-44 years of age, respectively. The next highest rates were in Delaware (22.2) and Dauphin (21.6) Counties. Philadelphia also recorded almost half of all the induced abortions performed for residents of the state under 15 years of age in 1990.

Occurrences: As shown in the pie chart below, almost 63 percent (32,741) of all the induced abortions that occurred in Pennsylvania were performed in Philadelphia and Allegheny Counties. The eight counties appearing in the pie chart below accounted for 97.6 percent of the induced abortions performed in the state. Induced abortions were performed and reported in 25 counties across the state. Only three counties in the western part of the state reported induced abortions in 1990 – Allegheny, Washington, and Westmoreland – with Westmoreland accounting for seven procedures and Washington, for only one.

NOTE: Induced abortions relating to Pennsylvania residents which occurred in another state are not included in the data that appear in this section. See the *Sources of Data* section of the *Technical Notes* in the back of this report for further discussion of this data limitation.

Induced Abortions, Percent by County of Occurrence
Pennsylvania, 1990

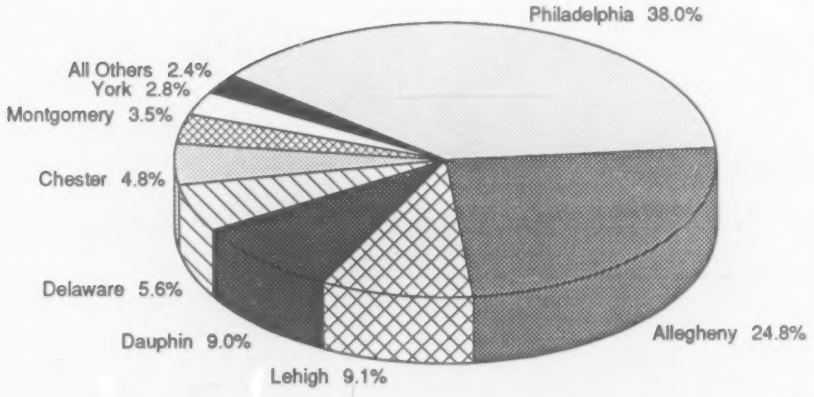


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TABLE D-1
INDUCED ABORTIONS, NUMBER AND RATE, PENNSYLVANIA RESIDENTS, AND NUMBER OF PENNSYLVANIA OCCURRENCES, 1975-1990

YEAR	RESIDENTS		NUMBER OF OCCURRENCES
	NUMBER	RATE*	
1990	49,076	18.3	52,143
1989	48,274	17.5	51,341
1988	47,802	17.4	50,786
1987	48,931	17.9	51,630
1986	49,537	18.2	51,666
1985	51,054	18.8	53,465
1984	56,462	20.9	59,258
1983	55,726	20.7	59,288
1982	56,901	21.3	60,772
1981	58,820	22.1	62,701
1980	61,064	23.1	65,777
1979	59,108	22.5	64,147
1978	54,594	21.0	60,639
1977	51,421	20.0	57,880
1976	46,397	18.2	52,261
1975	38,050	15.1	43,319

*RATE PER 1,000 FEMALE POPULATION AGE 15-44 YEARS.

TABLE D-2
INDUCED ABORTIONS BY AGE OF WOMAN, NUMBER AND RATE, PENNSYLVANIA RESIDENTS, 1990 AND NUMBER, PENNSYLVANIA OCCURRENCES, 1990, 1985, 1980, AND 1975

AGE OF WOMAN (IN YEARS)	1990 RESIDENTS		OCCURRENCES			
	NUMBER	RATE*	1990	1985	1980	1975
ALL AGES	49,076	18.3	52,143	53,465	65,777	43,319
UNDER 15	455	1.2	484	564	662	851
15-19	11,250	28.0	12,052	13,955	19,540	14,156
20-24	16,549	38.2	17,556	18,605	24,476	14,192
25-29	10,254	22.0	10,824	11,203	12,036	7,232
30-34	6,461	12.8	6,822	5,802	5,679	3,683
35-39	3,267	7.0	3,503	2,677	2,456	2,086
40-44	798	1.9	859	603	751	838
45 & OVER	42	0.1	43	35	77	97
UNKNOWN	0	-	0	21	100	184

*RATE PER 1,000 FEMALE POPULATION BY AGE GROUP. ALL AGES INCLUDES FEMALES AGE 15-44 YEARS; UNDER 15 INCLUDES FEMALES AGE 10-14 YEARS; AND 45 & OVER INCLUDES FEMALES AGE 45-49 YEARS.

TABLE D-3
INDUCED ABORTIONS BY WEEKS OF GESTATION, NUMBER AND PERCENT:
PENNSYLVANIA RESIDENTS AND OCCURRENCES, 1990

WEEKS OF GESTATION	RESIDENTS		OCCURRENCES	
	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	49,076	100.0	52,143	100.0
8 OR LESS	24,230	49.4	25,568	49.0
9-10	13,417	27.3	14,147	27.1
11-12	6,514	13.3	6,890	13.2
13-15	3,003	6.1	3,250	6.2
16-19	1,423	2.9	1,631	3.1
20-23	413	0.8	578	1.1
24 OR MORE	4	0.0	4	0.0
UNKNOWN	72	0.1	75	0.1

TABLE D-4
INDUCED ABORTIONS BY PRIMARY TYPE OF PROCEDURE, NUMBER AND PERCENT:
PENNSYLVANIA RESIDENTS AND OCCURRENCES, 1990

PRIMARY TYPE OF PROCEDURE	RESIDENTS		OCCURRENCES	
	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	49,076	100.0	52,143	100.0
SUCTION CURETTAGE	44,137	89.9	46,577	89.3
DILATION AND EVACUATION	4,681	9.5	5,282	10.1
INTRA-UTERINE SALINE AND PROSTAGLANDIN INSTILLATION	40	0.1	43	0.1
OTHER	218	0.4	241	0.5

FIGURE D-1
INDUCED ABORTIONS, PERCENT BY AGE GROUP
PENNSYLVANIA RESIDENTS, 1990

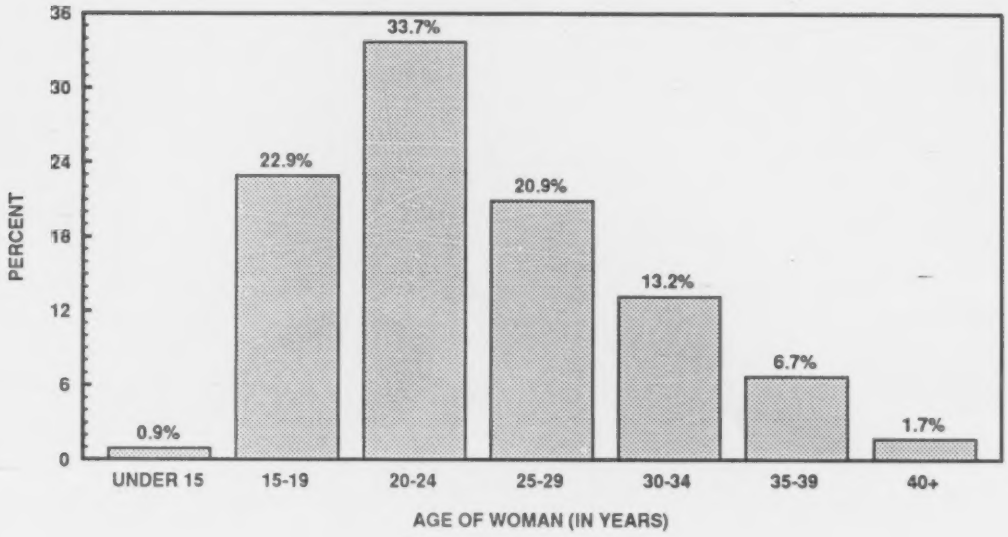


FIGURE D-2
INDUCED ABORTIONS, PERCENT BY WEEKS OF GESTATION
PENNSYLVANIA RESIDENTS, 1990

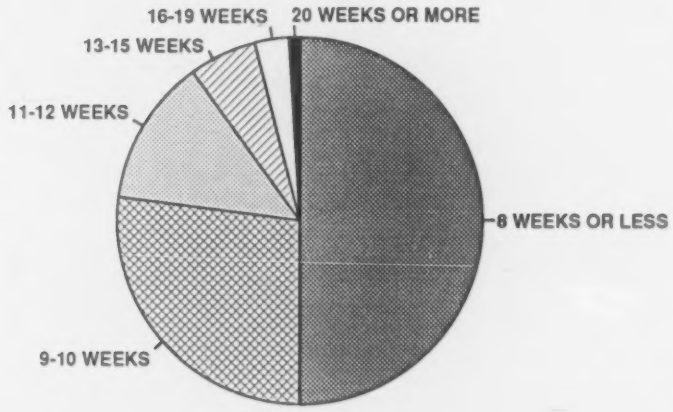


TABLE D-5
INDUCED ABORTIONS BY AGE OF WOMAN AND COUNTY
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

COUNTY	ALL AGES	RATE	AGE OF WOMAN (IN YEARS) UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER
ALL COUNTIES	49,076**	18.3	455	11,250	16,549	10,254	6,461	3,267	798	42
ADAMS	155	8.5	1	32	49	32	28	12	1	0
ALLEGHENY	6,877	22.8	68	1,504	2,312	1,437	941	494	112	9
ARMSTRONG	136	8.8	0	39	45	23	18	9	2	0
BEAVER	494	12.5	6	137	171	83	58	29	10	0
BEDFORD	48	4.8	0	14	11	10	12	0	0	1
BERKS	1,093	14.5	10	271	339	234	148	68	23	0
BLAIR	229	8.1	3	63	71	48	17	26	1	0
BRADFORD	13	1.0	0	4	5	0	1	1	2	0
BUCKS	2,203	17.2	12	521	659	447	331	170	60	3
BUTLER	388	10.9	2	81	140	87	51	24	3	0
CAMBRIA	263	7.8	1	82	82	50	29	17	2	0
CAMERON	7	6.1	0	2	3	0	2	0	0	0
CARBON	146	12.5	0	42	50	29	18	5	2	0
CENTRE	509	14.8	3	98	253	73	52	26	4	0
CHESTER	1,496	16.4	6	337	520	287	184	128	33	1
CLARION	71	7.0	1	25	28	12	3	1	0	1
CLEARFIELD	122	7.4	2	37	37	20	16	8	2	0
CLINTON	78	9.2	0	25	27	13	9	4	0	0
COLUMBIA	140	9.1	3	35	67	19	12	2	2	0
CRAWFORD	131	6.9	1	45	41	23	8	11	2	0
CUMBERLAND	588	12.4	4	148	210	101	77	38	9	1
DAUPHIN	1,197	21.6	10	282	402	254	162	67	18	2
DELAWARE	2,772	22.2	24	549	908	641	393	210	46	1
ELK	43	6.1	0	12	19	8	4	0	0	0
ERIE	242	3.8	2	62	90	46	26	14	2	0
FAYETTE	331	10.8	3	90	98	63	48	23	5	1
FOREST	6	7.0	0	3	1	2	0	0	0	0
FRANKLIN	80	3.0	3	18	34	13	5	3	4	0
FULTON	2	0.7	1	0	1	0	0	0	0	0
GREENE	77	8.7	1	21	21	14	14	4	2	0
HUNTINGDON	66	7.3	0	18	23	10	9	4	2	0
INDIANA	239	10.6	1	67	115	25	14	16	1	0
JEFFERSON	77	8.1	0	22	27	13	11	4	0	0

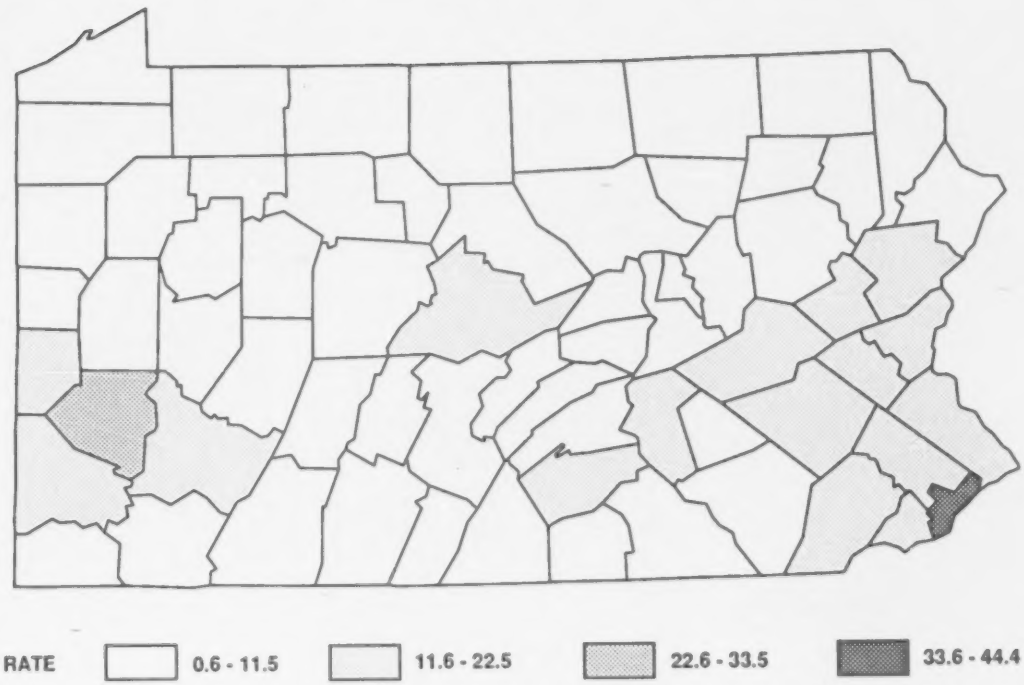
(CONTINUED)

TABLE D-5
INDUCED ABORTIONS BY AGE OF WOMAN AND COUNTY
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1990

COUNTY	ALL AGES	RATE	AGE OF WOMAN (IN YEARS) UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER
JUNIATA	22	5.0	0	4	5	8	2	2	1	0
LACKAWANNA	414	8.9	1	107	149	73	41	34	9	0
LANCASTER	1,115	11.4	7	248	382	233	135	82	27	1
LAWRENCE	104	5.2	0	26	30	20	15	13	0	0
LEBANON	265	10.6	2	56	98	49	33	24	3	0
LEHIGH	1,116	16.8	5	274	345	253	140	69	29	1
LUZERNE	733	10.9	5	163	245	142	98	67	12	1
LYCOMING	254	9.6	2	76	89	42	25	13	7	0
MCKEAN	21	2.2	0	7	7	2	2	3	0	0
MERCER	124	4.9	0	31	39	22	12	15	5	0
MIFFLIN	86	8.8	0	14	26	19	19	4	4	0
MONROE	327	14.6	2	79	113	60	51	15	7	0
MONTGOMERY	2,874	18.7	21	616	892	647	414	223	59	2
MONTOUR	33	8.3	0	7	11	7	6	2	0	0
NORTHAMPTON	841	15.1	6	204	284	163	104	69	9	2
NORTHUMBERLAND	190	9.6	2	46	65	33	29	12	3	0
PERRY	93	9.7	1	26	29	24	8	4	1	0
PHILADELPHIA	16,764	44.4	208	3,688	5,777	3,717	2,184	966	212	12
PIKE	29	5.0	0	7	8	6	2	5	1	0
POTTER	5	1.5	0	1	1	1	2	0	0	0
SCHUYLKILL	370	12.3	5	108	112	71	39	23	11	1
SNYDER	57	6.6	0	14	19	11	7	2	4	0
SOMERSET	116	7.1	1	33	27	25	21	6	2	1
SULLIVAN	6	5.3	0	1	0	4	1	0	0	0
SUSQUEHANNA	5	0.6	0	0	2	3	0	0	0	0
TIOGA	24	2.6	0	10	7	6	1	0	0	0
UNION	55	6.7	1	16	24	5	5	2	2	0
VENANGO	107	8.5	3	24	28	21	21	7	3	0
WARREN	19	2.0	0	4	5	5	4	1	0	0
WASHINGTON	577	13.2	3	166	191	92	66	49	9	1
WAYNE	63	7.9	0	21	17	8	11	3	3	0
WESTMORELAND	985	12.5	6	255	327	184	126	71	16	0
WYOMING	36	5.6	1	3	14	8	5	5	0	0
YORK	912	11.5	5	227	315	168	130	58	9	0

* RATE PER 1,000 FEMALE POPULATION AGE 15-44 YEARS.
**TOTAL INCLUDES UNKNOWN COUNTY OF RESIDENCE.

FIGURE D-3
INDUCED ABORTION RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1990



NOTE: RATE PER 1,000 FEMALES AGE 15-44 YEARS. SEE TABLE D-5 FOR COUNTY RATES.

TABLE D-6
INDUCED ABORTIONS BY COUNTY OF PROCEDURE
PENNSYLVANIA OCCURRENCES, 1990

COUNTY	NUMBER	COUNTY	NUMBER
ALL COUNTIES	52,143		
ADAMS	0	LACKAWANNA	0
ALLEGHENY	12,944	LANCASTER	0
ARMSTRONG	0	LAWRENCE	0
BEAVER	0	LEBANON	0
BEDFORD	0	LEHIGH	4,752
BERKS	455	LUZERNE	0
BLAIR	1	LYCOMING	1
BRADFORD	1	MCKEAN	0
BUCKS	450	MERCER	0
BUTLER	0	MIFFLIN	2
CAMBRIA	0	MONROE	191
CAMERON	0	MONTGOMERY	1,825
CARBON	0	MONTOUR	5
CENTRE	46	NORTHAMPTON	54
CHESTER	2,513	NORTHUMBERLAND	0
CLARION	0	PERRY	0
CLEARFIELD	0	PHILADELPHIA	19,797
CLINTON	0	PIKE	0
COLUMBIA	7	POTTER	0
CRAWFORD	0	SCHUYLKILL	0
CUMBERLAND	4	SNYDER	0
DAUPHIN	4,686	SOMERSET	0
DELAWARE	2,912	SULLIVAN	0
ELK	0	SUSQUEHANNA	0
ERIE	0	TIOGA	0
FAYETTE	0	UNION	4
FOREST	0	VENANGO	0
FRANKLIN	1	WARREN	0
FULTON	0	WASHINGTON	1
GREENE	0	WAYNE	0
HUNTINGDON	5	WESTMORELAND	7
INDIANA	0	WYOMING	0
JEFFERSON	0	YORK	1,479
JUNIATA	0		

MARRIAGES DIVORCES

1990 MARRIAGE and DIVORCE STATISTICS

Data Highlights.....

MARRIAGES:

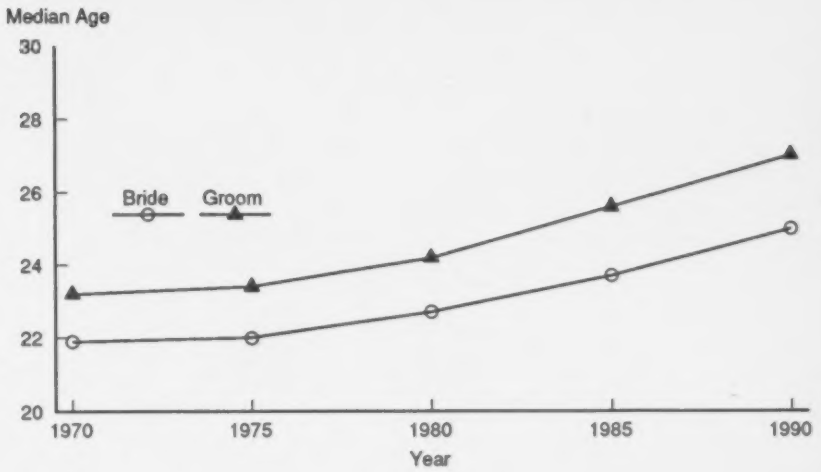
Number and Rate: In 1990, the number of marriages that occurred in Pennsylvania was 84,925, a decrease of 2,662 marriages or 3.0 percent from the 87,587 that occurred in 1989. This is the eighth and largest decrease since 1980 in the annual number of marriages occurring in the state. The only increases occurred in 1982 and 1988.

The 1990 marriage rate was 7.1 per 1,000 population, compared to 7.3 in 1989. The 1990 rate and number of marriages are the lowest such figures for the state in twenty-three years, since 1966. Pennsylvania's marriage rate has also been consistently lower than that recorded for the United States over the years 1950-1990.

Age of Bride: The largest proportion of brides continued to be in the age group 20-24, accounting for 31.6 percent of all marriages in 1990. However, compared to 1970, the number of marriages in 1990 for women under 25 years of age has decreased by 55.1 percent while the number for women 25 years of age and older has increased by 125.1 percent. The largest increase among the age groups occurred to women 30-34 years of age; the number of marriages in 1990 reported for that age group was 249.2 percent higher than in 1970. The median age of a bride in 1990 was 27.2.

Age of Groom: Age at the time of marriage for grooms followed a pattern similar to that of the brides, with the numbers and rates rising dramatically over the years for those 25 years of age and over and declining significantly for those under 25 years of age. The median age of a groom in 1990 was 28.9.

Median Age of Bride and Groom for First Marriages
Pennsylvania Occurrences, 1970, 1975, 1980, 1985, 1990



Marriage Rate by Age: Marriage rates for brides under 25 years of age were higher than the corresponding rates for grooms and the marriage rates among grooms 25 years of age and older were higher than the rates for brides of these ages. For example, the 1990 marriage rate for brides under 20 years of age was more than three times that for the grooms; while, for the age group 50 and older, the grooms' marriage rate was more than twice the brides' rate.

Prior Marital Status: Age 20-24 was the most common age group for first marriages for women. However, among the men being married for the first time, age 25-29 was the most common age group. As shown in the line graph above, the median age of a bride being married for the first time was 25.0 in 1990, 23.7 in 1985, 22.7 in 1980, 22.0 in 1975, and 21.9 in 1970. The median age of a groom being married for the first time was 27.0 in 1990, 25.6 in 1985, 24.2 in 1980, 23.4 in 1975, and 23.2 in 1970. The median age of a first-time bride or groom increased by approximately one year between 1970 and 1980; however, between 1980 and 1990, it increased by approximately two and one-half years.

For approximately 72.0 percent of the brides and grooms, the marriage occurring in Pennsylvania was a first marriage. In 1970, 84.0 percent of the brides were being married for the first time and 83.1 percent of the grooms. Over 4.0 percent of the women and the men marrying in 1990 had had two or more prior marriages. The median age of brides who had been previously married was 36.1; for grooms previously married, the median age was 39.4 in 1990.

For persons previously widowed, 59.4 percent of the women and 79.4 percent of the men were age 50 and older at the time of their remarriage. Among those previously divorced, the median age for women being remarried was 35.1; for men, it was 38.3.

Age of Bride and Groom: In 15.5 percent of all marriages, both the bride and the groom were in the age group 20-24. The second most common combination was both the bride and the groom 25-29 years of age – 15.0 percent of all marriages. In 11.9 percent of the marriages, the bride was 20-24 and the groom 25-29 years of age – the third most common combination.

Residence: Most of the brides (92.7 percent) and grooms (89.7 percent) who were married in Pennsylvania in 1990 were also residents of Pennsylvania.

Marriages by Month: June was the most popular month for marriages in 1990 with 11,678 marriages occurring in Pennsylvania, followed by September (11,231), May (9,469) and October (9,164). As shown in the pie chart, these four months accounted for almost 50.0 percent of all the weddings that occurred in the state during 1990. The least popular month for a wedding in 1990 was January when only 2,661 marriages took place.

DIVORCES:

Number and Rate: In 1990, the total number of divorces and annulments occurring in Pennsylvania was 39,971. This represents an increase of 1,598 or 4.2 percent compared to the 1989 figure of 38,373. The rate was 3.4 per 1,000 population, the second highest annual divorce rate recorded for the state. However, this same rate also occurred in five other years – 1986, 1985, 1984, 1983, and 1979. Pennsylvania's divorce rate has been consistently lower than the rate for the United States over the years 1950-1990.

Duration of Marriage: Over half (51.5 percent) of all divorces and annulments occurred in marriages of nine years duration or less in 1990. Marriages of four and five years duration had the highest numbers of divorces and annulments. Almost 18.0 percent of the divorces and annulments during 1990 occurred in marriages of 20 years duration or longer.

NOTE: Caution is advised when analyzing marriage and divorce statistics which are based on the number of events occurring in a county and may or may not reflect the county of residence of either party. See the *Reliability of Rates* section of the *Technical Notes* in the back of this report for more discussion of these rates.

Marriages, Percent by Month of Occurrence
Pennsylvania, 1990

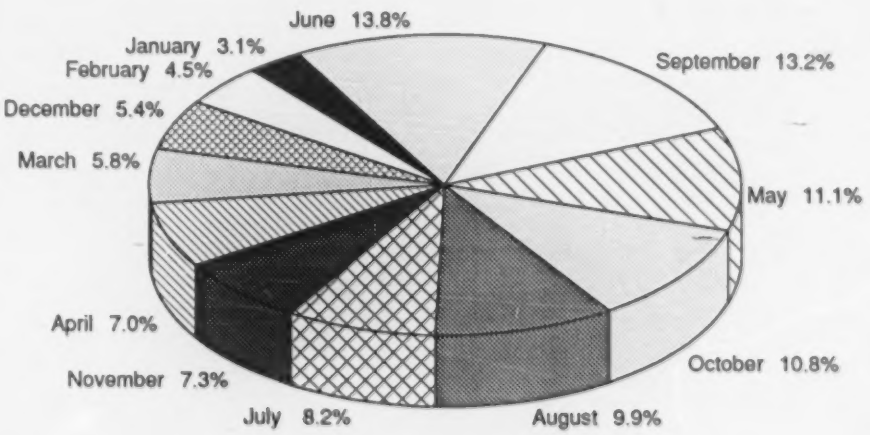


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TABLE E-1
MARRIAGES, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES OCCURRENCES, 1950-1990

YEAR	PENNSYLVANIA NUMBER	PENNSYLVANIA RATE	UNITED STATES NUMBER	UNITED STATES RATE	YEAR	PENNSYLVANIA NUMBER	PENNSYLVANIA RATE	UNITED STATES NUMBER	UNITED STATES RATE
1990	84,925	7.1	2,448,000**	9.8					
1989	87,587	7.3	2,404,000**	9.7	1969	94,861	8.0	2,145,000	10.6
1988	87,963	7.3	2,395,926	9.7	1968	91,947	7.8	2,069,000	10.4
1987	87,218	7.3	2,403,378	9.9	1967	85,508	7.3	1,927,000	9.7
1986	87,558	7.4	2,407,099	10.0	1966	81,337	7.0	1,857,000	9.5
1985	89,139	7.5	2,412,625	10.1	1965	80,187	7.0	1,800,000	9.3
1984	91,610	7.7	2,477,192	10.5	1964	76,660	6.7	1,725,000	9.0
1983	92,095	7.7	2,445,604	10.5	1963	72,024	6.3	1,654,000	8.8
1982	93,350	7.9	2,456,278	10.6	1962	68,916	6.1	1,577,000	8.5
1981	92,644	7.8	2,422,145	10.6	1961	69,617	6.1	1,548,000	8.5
1980	93,673	7.9	2,390,252	10.6	1960	71,835	6.3	1,523,000	8.5
1979	93,677	8.0	2,331,337	10.4	1959	71,719	6.3	1,494,000	8.5
1978	92,682	7.9	2,282,272	10.3	1958	67,203	6.1	1,451,000	8.4
1977	90,842	7.7	2,178,367	9.9	1957	75,208	6.7	1,518,000	8.9
1976	90,442	7.6	2,154,807	9.9	1956	77,682	7.0	1,585,000	9.5
1975	91,665	7.7	2,152,662	10.0	1955	77,543	7.0	1,531,000	9.3
1974	96,663	8.2	2,229,667	10.5	1954	72,934	6.7	1,490,000	9.2
1973	101,076	8.5	2,284,108	10.8	1953	80,316	7.4	1,546,000	9.8
1972	98,496	8.3	2,282,154	10.9	1952	78,946	7.4	1,539,318	9.9
1971	94,663	8.0	2,190,481	10.6	1951	84,878	8.0	1,594,694	10.4
1970	94,516	8.0	2,158,802	10.6	1950	89,669	8.5	1,667,231	11.1

* RATE PER 1,000 POPULATION.
**PROVISIONAL DATA.

FIGURE E-1
MARRIAGE RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990

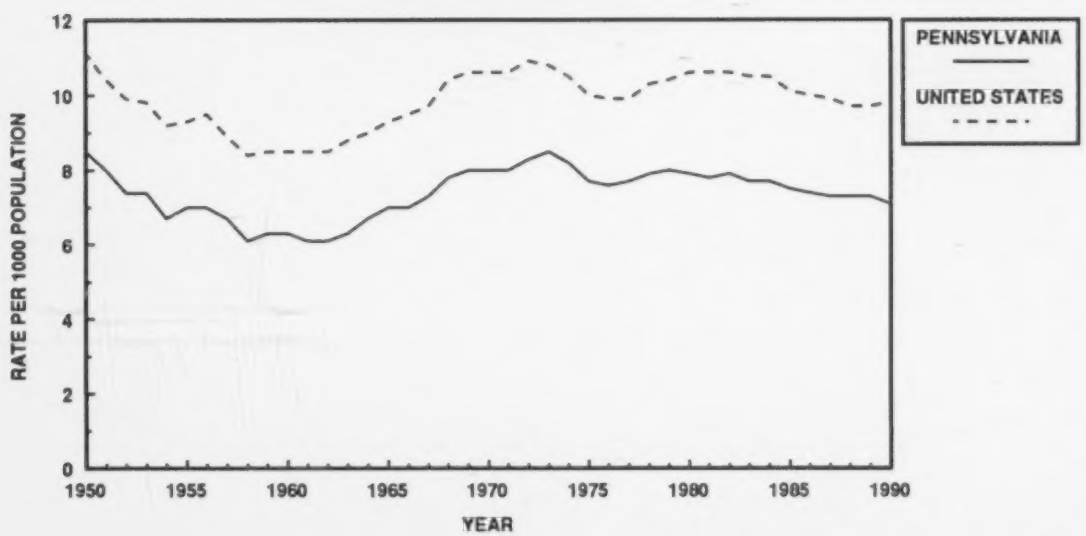


TABLE E-2
MARRIAGES BY AGE OF BRIDE, NUMBER AND RATE*:
PENNSYLVANIA OCCURRENCES, 1990, 1985, 1980, 1975, AND 1970

AGE OF BRIDE (IN YEARS)	1990		1985		1980		1975		1970	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	84,925	16.8	89,139	17.7	93,673	18.9	91,665	19.1	94,516	20.7
UNDER 20	5,049	12.5	8,600	18.6	14,330	26.8	21,207	37.4	22,323	41.5
20-24**	26,839	62.0	34,624	69.0	41,886	78.0	41,769	78.7	48,631	106.4
25-29	24,279	52.2	22,496	43.8	19,150	40.2	13,597	30.1	10,265	28.3
30-34	12,458	24.8	10,335	22.1	7,813	18.1	5,076	14.2	3,568	11.3
35-39	6,883	14.8	5,367	12.7	3,640	10.4	2,681	8.6	2,174	6.7
40-44	4,114	9.8	2,801	8.0	2,095	6.8	1,860	5.8	2,021	5.2
45-49	2,145	6.4	1,670	5.5	1,426	4.6	1,717	4.6	1,714	4.2
50 & OVER	3,158	1.6	3,246	1.6	3,333	1.7	3,758	2.0	3,820	2.1

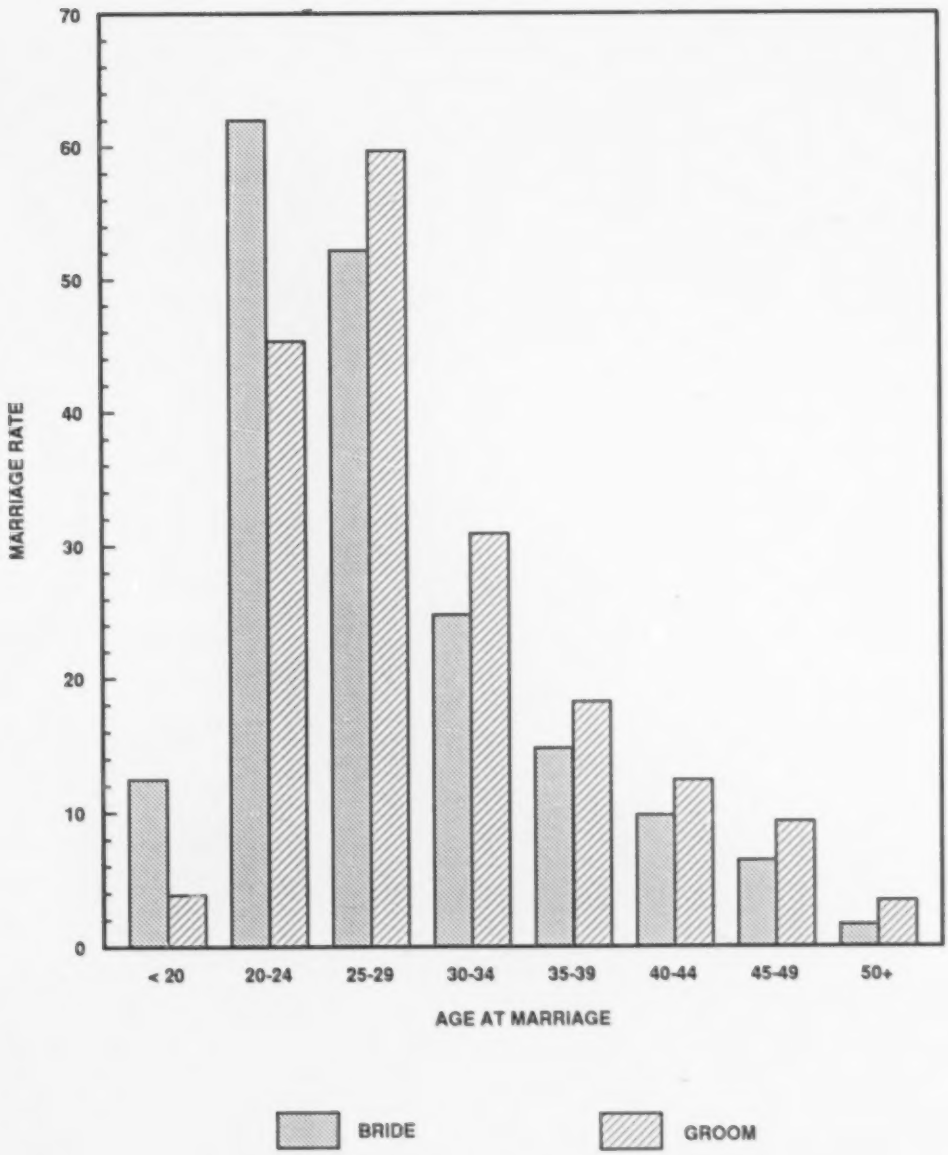
* RATE PER 1,000 FEMALE POPULATION FOR EACH YEAR BY AGE GROUP. ALL AGES INCLUDES FEMALES 15 & OVER; UNDER 20 INCLUDES FEMALES AGE 15-19 YEARS; AND 50 & OVER INCLUDES FEMALES AGE 50 YEARS & OVER.
**BRIDES WITH UNKNOWN AGE ARE INCLUDED IN THE 20-24 YEAR AGE GROUP.

TABLE E-3
MARRIAGES BY AGE OF GROOM, NUMBER AND RATE*:
PENNSYLVANIA OCCURRENCES, 1990, 1985, 1980, 1975, AND 1970

AGE OF GROOM (IN YEARS)	1990		1985		1980		1975		1970	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	84,925	18.9	89,139	19.9	93,673	21.2	91,665	21.4	94,516	23.3
UNDER 20	1,617	3.9	2,841	6.0	4,893	9.0	8,269	14.1	9,083	16.9
20-24	19,478	45.3	27,283	54.2	36,931	70.6	41,079	77.7	48,757	123.4
25-29**	27,173	59.7	27,191	54.1	25,582	54.6	21,027	54.3	18,083	52.7
30-34	15,123	30.9	13,277	29.2	10,995	26.4	7,391	22.0	5,735	19.5
35-39	8,328	18.2	7,202	17.7	5,028	15.2	3,664	12.8	3,055	10.2
40-44	5,016	12.4	3,721	11.4	2,952	10.4	2,559	8.7	2,464	6.9
45-49	2,959	9.3	2,330	8.4	2,013	7.0	2,171	6.3	2,052	5.5
50 & OVER	5,231	3.4	5,294	3.5	5,279	3.4	5,505	3.7	5,287	3.6

* RATE PER 1,000 MALE POPULATION FOR EACH YEAR BY AGE GROUP. ALL AGES INCLUDES MALES 15 & OVER; UNDER 20 INCLUDES MALES AGE 15-19 YEARS; AND 50 & OVER INCLUDES MALES AGE 50 YEARS & OVER.
**GROOMS WITH UNKNOWN AGE ARE INCLUDED IN THE 25-29 YEAR AGE GROUP FOR 1990, AND IN THE 20-24 YEAR AGE GROUP FOR ALL OTHER YEARS.

FIGURE E-2
MARRIAGE RATES BY AGE OF BRIDE AND AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1990



NOTE: MARRIAGE RATE OF BRIDE PER 1,000 FEMALE POPULATION FOR EACH AGE GROUP.
MARRIAGE RATE OF GROOM PER 1,000 MALE POPULATION FOR EACH AGE GROUP.

TABLE E-4
PRIOR MARRIAGES BY AGE OF BRIDE
PENNSYLVANIA OCCURRENCES, 1990

AGE OF BRIDE (IN YEARS)	ALL MARRIAGES	FIRST MARRIAGE	PRIOR MARRIAGES			
			ONE	TWO	THREE OR MORE	UNKNOWN
ALL AGES	84,925	61,149	19,893	3,281	513	89
UNDER 15	3	3	0	0	0	0
15-19	5,046	5,024	22	0	0	0
20-24	26,733	25,671	1,032	22	1	7
25-29	24,279	20,078	3,942	228	18	13
30-34	12,458	6,900	4,874	613	47	24
35-39	6,883	2,255	3,693	778	143	14
40-44	4,114	671	2,619	690	126	8
45-49	2,145	231	1,460	366	79	9
50 & OVER	3,158	246	2,219	580	99	14
UNKNOWN	106	70	32	4	0	0

TABLE E-5
PRIOR MARRIAGES BY AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1990

AGE OF GROOM (IN YEARS)	ALL MARRIAGES	FIRST MARRIAGE	PRIOR MARRIAGES			
			ONE	TWO	THREE OR MORE	UNKNOWN
ALL AGES	84,925	60,809	20,442	3,139	456	79
UNDER 15	2	2	0	0	0	0
15-19	1,615	1,615	0	0	0	0
20-24	19,478	19,085	388	2	0	3
25-29	27,082	24,408	2,585	76	1	12
30-34	15,123	10,367	4,380	350	16	10
35-39	8,328	3,504	4,119	631	56	18
40-44	5,016	1,056	3,151	678	115	16
45-49	2,959	336	1,992	539	86	6
50 & OVER	5,231	368	3,809	859	181	14
UNKNOWN	91	68	18	4	1	0

TABLE E-6
PREVIOUS MARITAL STATUS BY AGE OF BRIDE AND AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1990

AGE GROUP (IN YEARS)	ALL MARRIAGES*		NEVER MARRIED		WIDOWED		DIVORCED	
	BRIDES	GROOMS	BRIDES	GROOMS	BRIDES	GROOMS	BRIDES	GROOMS
ALL AGES	84,925	84,925	61,149	60,809	2,471	2,398	21,198	21,609
UNDER 20	5,049	1,617	5,027	1,617	0	0	22	0
20-24	26,733	19,478	25,671	19,085	15	4	1,041	386
25-29	24,279	27,082	20,078	24,408	76	35	4,107	2,633
30-34	12,458	15,123	6,900	10,367	170	68	5,365	4,669
35-39	6,883	8,328	2,255	3,504	225	93	4,379	4,702
40-44	4,114	5,016	671	1,056	256	133	3,179	3,806
45-49	2,145	2,959	231	336	256	155	1,647	2,455
50-59	1,841	2,944	150	233	540	463	1,138	2,237
60-69	894	1,479	71	108	574	766	246	599
70+	423	808	25	27	353	674	44	106
UNKNOWN	106	91	70	68	6	7	30	16

* TOTAL INCLUDES UNKNOWN PREVIOUS MARITAL STATUS.

TABLE E-7
ALL MARRIAGES BY AGE OF BRIDE AND AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1990

AGE OF GROOM (IN YEARS)	ALL AGES	AGE OF BRIDE (IN YEARS)										
		UNDER 20	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70+	UNKNOWN
ALL AGES	84,925	5,049	26,733	24,279	12,458	6,883	4,114	2,145	1,841	894	423	106
UNDER 20	1,617	1,072	483	44	8	7	0	0	0	0	0	3
20-24	19,478	3,204	13,182	2,460	463	118	17	7	1	2	0	24
25-29	27,082	626	10,133	12,741	2,682	688	150	33	8	1	0	20
30-34	15,123	106	2,177	6,125	4,632	1,504	433	93	27	2	0	24
35-39	8,328	20	488	1,996	2,825	2,014	750	186	38	1	0	10
40-44	5,016	8	166	603	1,177	1,442	1,155	343	104	6	2	10
45-49	2,959	4	44	191	441	657	867	524	218	11	0	2
50-59	2,944	4	27	83	196	389	601	741	807	84	9	3
60-69	1,479	0	3	13	22	53	119	190	544	476	56	3
70+	808	0	2	0	2	6	17	27	92	309	350	3
UNKNOWN	91	5	28	23	10	5	5	1	2	2	6	4

TABLE E-8
ALL MARRIAGES BY RESIDENCE OF BRIDE AND GROOM,
NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1990

RESIDENCE	BRIDE		GROOM	
	NUMBER	PERCENT	NUMBER	PERCENT
ALL AREAS*	84,925	100.0	84,925	100.0
PENNSYLVANIA	78,762	92.7	76,147	89.7
ALL OTHER STATES	6,097	7.2	8,672	10.2
TERRITORIES AND POSSESSIONS	2	0.0	6	0.0
FOREIGN COUNTRIES	63	0.1	99	0.1

* UNKNOWN RESIDENCE INCLUDED IN "ALL AREAS" TOTAL.

TABLE E-9
ALL MARRIAGES BY MONTH, NUMBER AND PERCENT:
PENNSYLVANIA OCCURRENCES, 1990

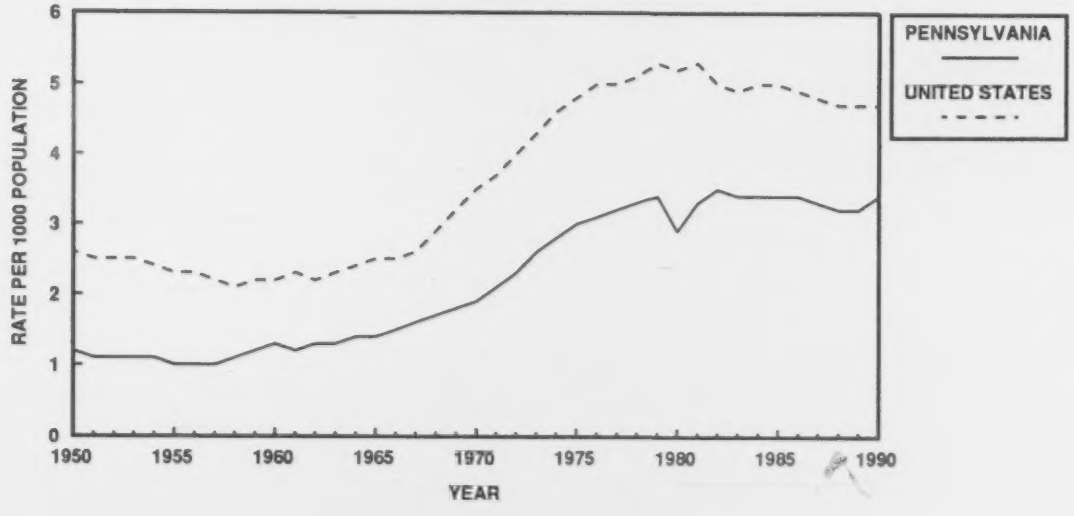
MONTH OF MARRIAGE	NUMBER	PERCENT
ALL MONTHS	84,925	100.0
JANUARY	2,661	3.1
FEBRUARY	3,842	4.5
MARCH	4,899	5.8
APRIL	5,923	7.0
MAY	9,469	11.1
JUNE	11,678	13.8
JULY	6,926	8.2
AUGUST	8,390	9.9
SEPTEMBER	11,231	13.2
OCTOBER	9,164	10.8
NOVEMBER	6,161	7.3
DECEMBER	4,581	5.4

TABLE E-10
DIVORCES AND ANNULMENTS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES OCCURRENCES, 1950-1990

YEAR	PENNSYLVANIA NUMBER	PENNSYLVANIA RATE	UNITED STATES NUMBER	UNITED STATES RATE	YEAR	PENNSYLVANIA NUMBER	PENNSYLVANIA RATE	UNITED STATES NUMBER	UNITED STATES RATE
1990	39,971	3.4	1,175,000**	4.7					
1989	38,373	3.2	1,163,000**	4.7	1969	21,580	1.8	639,000	3.2
1988	39,001	3.2	1,167,000	4.7	1968	20,326	1.7	584,000	2.9
1987	38,837	3.3	1,166,000	4.8	1967	18,668	1.6	523,000	2.6
1986	39,875	3.4	1,178,000	4.9	1966	16,940	1.5	499,000	2.5
1985	40,153	3.4	1,190,000	5.0	1965	16,578	1.4	479,000	2.5
1984	40,375	3.4	1,169,000	5.0	1964	16,139	1.4	450,000	2.4
1983	40,150	3.4	1,158,000	4.9	1963	14,789	1.3	428,000	2.3
1982	41,280	3.5	1,170,000	5.0	1962	14,316	1.3	413,000	2.2
1981	38,842	3.3	1,213,000	5.3	1961	13,606	1.2	414,000	2.3
1980	34,922	2.9	1,189,000	5.2	1960	14,429	1.3	393,000	2.2
1979	39,808	3.4	1,181,000	5.3	1959	13,891	1.2	395,000	2.2
1978	38,261	3.3	1,130,000	5.1	1958	12,243	1.1	368,000	2.1
1977	37,868	3.2	1,091,000	5.0	1957	11,651	1.0	381,000	2.2
1976	36,531	3.1	1,083,000	5.0	1956	11,480	1.0	382,000	2.3
1975	34,955	3.0	1,036,000	4.8	1955	11,103	1.0	377,000	2.3
1974	32,899	2.8	977,000	4.6	1954	11,711	1.1	379,000	2.4
1973	31,005	2.6	915,000	4.3	1953	12,121	1.1	390,000	2.5
1972	27,501	2.3	845,000	4.0	1952	11,905	1.1	392,000	2.5
1971	25,110	2.1	773,000	3.7	1951	11,743	1.1	381,000	2.5
1970	22,622	1.9	708,000	3.5	1950	12,096	1.2	385,144	2.6

* RATE PER 1,000 POPULATION.
**PROVISIONAL DATA.

FIGURE E-3
DIVORCE RATES
PENNSYLVANIA AND UNITED STATES, 1950-1990



NOTE: ANNULMENTS ARE INCLUDED IN DIVORCE RATES.

TABLE E-11
DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE,
NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1990

DURATION OF MARRIAGE (IN YEARS)	NUMBER	PERCENT	DURATION OF MARRIAGE (IN YEARS)	NUMBER	PERCENT
TOTAL	39,971	100.0			
UNDER 1	87	0.2	13	1,213	3.0
			14	1,082	2.7
1	1,090	2.7	15	1,093	2.7
2	2,155	5.4	16	957	2.4
3	2,619	6.6			
4	2,798	7.0	17	976	2.4
			18	890	2.2
5	2,818	7.1	19	862	2.2
6	2,599	6.5	20-24	3,414	8.5
7	2,430	6.1			
8	2,132	5.3	25-29	1,787	4.5
			30-34	980	2.5
9	1,857	4.6	35-39	489	1.2
10	1,786	4.5	OVER 39	349	0.9
11	1,629	4.1			
12	1,447	3.6	NOT STATED	432	1.1

FIGURE E-4
DIVORCES AND ANNULMENTS, PERCENT BY DURATION OF MARRIAGE
PENNSYLVANIA OCCURRENCES, 1990

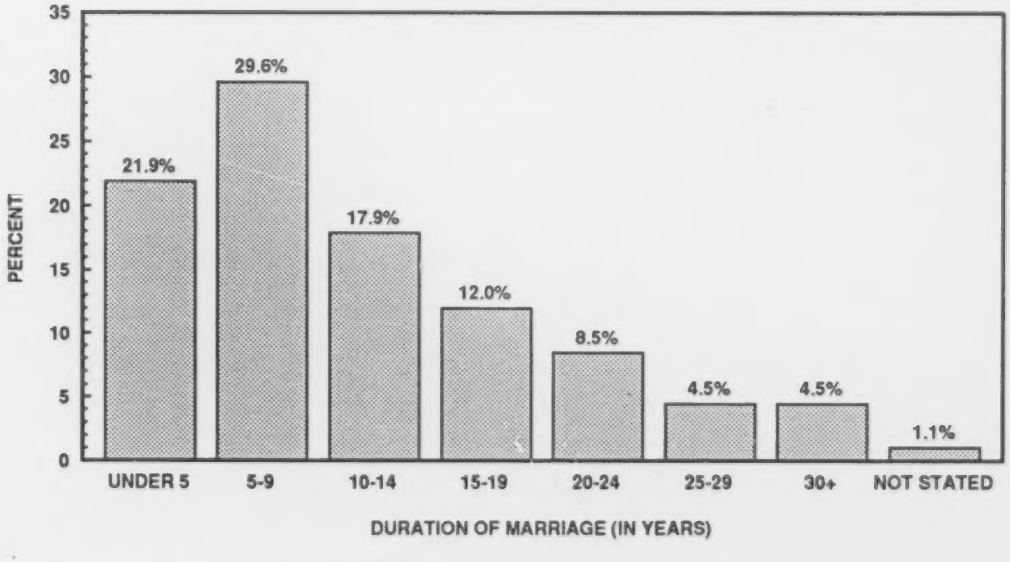


TABLE E-12
MARRIAGES AND DIVORCES BY COUNTY OF OCCURRENCE
NUMBER AND RATE*: PENNSYLVANIA, 1990

	MARRIAGES		DIVORCES	
COUNTY	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES**	84,925	7.1	39,971	3.4
ADAMS	499	6.4	277	3.5
ALLEGHENY	8,286	6.2	3,872	2.9
ARMSTRONG	542	7.4	215	2.9
BEAVER	1,100	5.9	607	3.3
BEDFORD	311	6.5	179	3.7
BERKS	2,441	7.3	1,089	3.2
BLAIR	958	7.3	457	3.5
BRADFORD	549	9.0	271	4.4
BUCKS	4,172	7.7	1,682	3.1
BUTLER	1,028	6.8	568	3.7
CAMBRIA	1,016	6.2	435	2.7
CAMERON	55	9.3	3,160	534.4
CARBON	446	7.8	183	3.2
CENTRE	926	7.5	370	3.0
CHESTER	2,342	6.2	1,114	3.0
CLARION	375	9.0	67	1.6
CLEARFIELD	588	7.5	281	3.6
CLINTON	292	7.9	89	2.4
COLUMBIA	501	7.9	216	3.4
CRAWFORD	648	7.5	265	3.1
CUMBERLAND	1,592	8.2	826	4.2
DAUPHIN	1,951	8.2	877	3.7
DELAWARE	4,737	8.6	1,054	1.9
ELK	299	8.6	97	2.8
ERIE	2,179	7.9	1,025	3.7
FAYETTE	991	6.8	490	3.4
FOREST	36	7.5	14	2.9
FRANKLIN	729	6.0	519	4.3
FULTON	97	7.0	63	4.6
GREENE	259	6.5	169	4.3
HUNTINGDON	313	7.1	146	3.3
INDIANA	579	6.4	209	2.3
JEFFERSON	408	8.9	145	3.1
JUNIATA	183	8.9	69	3.3
LACKAWANNA	1,498	6.8	601	2.7
LANCASTER	3,226	7.6	1,315	3.1
LAWRENCE	988	10.3	355	3.7
LEBANON	907	8.0	425	3.7
LEHIGH	2,208	7.6	971	3.3
LUZERNE	2,244	6.8	817	2.5
LYCOMING	998	8.4	459	3.9
MCKEAN	397	8.4	161	3.4
MERCER	973	8.0	416	3.4
MIFFLIN	367	7.9	178	3.9
MONROE	926	9.7	284	3.0
MONTGOMERY	5,451	8.0	1,730	2.6
MONTOUR	122	6.9	48	2.7
NORTHAMPTON	2,009	8.1	820	3.3
NORTHUMBERLAND	688	7.1	326	3.4
PERRY	310	7.5	88	2.1
PHILADELPHIA	9,157	5.8	4,769	3.0
PIKE	187	6.7	114	4.1
POTTER	167	10.0	75	4.5
SCHUYLKILL	1,097	7.2	445	2.9
SNYDER	261	7.1	115	3.1
SOMERSET	582	7.4	249	3.2
SULLIVAN	68	11.1	16	2.6
SUSQUEHANNA	303	7.5	135	3.3
TIOGA	323	7.9	225	5.5
UNION	301	8.3	86	2.4
VENANGO	448	7.5	210	3.5
WARREN	344	7.6	1	0.0
WASHINGTON	1,252	6.1	638	3.1
WAYNE	388	9.7	142	3.6
WESTMORELAND	2,601	7.0	1,152	3.1
WYOMING	205	7.3	119	4.2
YORK	2,412	7.1	1,386	4.1

* RATE PER 1,000 POPULATION FOR EACH SPECIFIED COUNTY, 1990.
** UNKNOWN COUNTY OF OCCURRENCE INCLUDED IN "ALL COUNTIES" TOTAL.

TECHNICAL NOTES

TECHNICAL NOTES

A. SOURCES OF DATA

1. Births, Deaths, and Fetal Deaths:

Birth, death, and fetal death certificates are the source documents for data on vital events to Pennsylvania residents during the 1990 calendar year. A copy of each of these types of certificates is included in the back of this report.

The cut-off date for 1990 data in this report was March 1, 1991. Data pertaining to a 1990 event for which a certificate was filed after March 1, 1991, are not included in this report. It is possible that data obtained from the State Health Data Center may differ slightly from that which appear in this report. If this occurs, it is due to an update to the 1990 data year which was made after the March 1 deadline for this report.

Births and deaths relating to Pennsylvania residents which occurred in another state are included in this report. The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians and funeral directors. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

2. Induced Abortions:

Information contained in this report on induced terminations of pregnancy or abortions were obtained from the source document, Report of Induced Termination of Pregnancy (see back of report), as required to be completed and submitted by facilities registered to perform such procedures in the Commonwealth according to the Abortion Control Act of 1982, as amended.

Induced abortions relating to Pennsylvania residents which occurred in another state are not included in this report. There is no interstate agreement among all of the registration areas in the United States for resident exchange of such information. Collection of induced abortion data varies widely from state to state. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

3. Marriages and Divorces:

Each of the 67 counties in Pennsylvania is responsible for collecting, processing, and maintaining marriage and divorce records. Copies of these records are forwarded to the Department of Health only for the purpose of data processing selected items in order to report aggregate statistics as contained in this report. The cut-off date for 1990 data in this report was March 1, 1991. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

4. Population:

The 1990 state, county, and municipality populations by age, sex, race, and Hispanic origin used in this report are based on the U.S. Bureau of the Census enumerated population figures as of April 1, 1990.

Population estimates for the years 1981-1989 used to compute historical rates were produced jointly by the Census Bureau and the State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. The estimates are published by the Bureau of the Census in *Current Population Reports, Series P-26.*

The historical estimates of state and county total populations have been revised by the Census Bureau from time to time. Those used in the computation of multiple-year average annual rates are the most recent available at the print date for this publication. However, the tabulation of historical populations printed in this publication preserves the total populations used in earlier publications.

B. DATA QUALITY

1. Query and Field Programs:

The quality of birth and death data presented in this report is directly related to the completeness and accuracy of the information contained on certificates. The State Health Data Center works to ensure that the information received is as complete and accurate as possible and maintains two major program operations for improving the quality of information received on

birth and death certificates – the query and field programs.

The query program is a system used to follow-back with hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-back contact is usually done by telephone and is based both on a manual and a computer editing procedure.

The field program attempts to improve birth, death and fetal death certificate information by educating the participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations representing the types of individuals listed above.

In addition to regularly scheduled seminars, the field representatives make site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Pennsylvania's coding of statistical data on birth and death certificates. A 0.4 percent sample of birth records and a 0.5 percent sample of death records coded and submitted monthly by the state are used as a quality control mechanism by NCHS. The National Center for Health Statistics codes these sample records independently and then conducts an item-by-item computer match of codes entered by the state and the National Center. NCHS has established a two percent upper limit for coding difference involving any one data item of these sample records, with the exception of cause of death. A five percent limit is established for that item due to the complexity of the cause of death coding process.

2. Fetal Deaths:

In terms of the completeness of the data collected, the reporting of deaths and live births is considered to be nearly complete (99 percent or greater). However, in Pennsylvania, fetal deaths under sixteen weeks gestation are not required to be reported.

According to a recent study* of the estimated number of total pregnancies for the United States, prepared by NCHS, the percentage distribution of live births, fetal deaths and induced abortions is as indicated in the following chart. The percentage distribution of Pennsylvania's reported pregnancies is also shown for comparison.

	U.S. Estimated Total Pregnancies 1983	Pennsylvania Reported Pregnancies 1990
Live Births	60.9%	77.0%
Fetal Deaths	12.7%	0.9%
Induced Abortions	26.4%	22.1%

It is apparent that there are a very large number of fetal deaths (probably in excess of 90 percent) not reported or included in this publication, mainly due to the exclusion of those under sixteen weeks gestation. Also, there may be serious underreporting at about sixteen weeks gestation and a smaller undercount at later gestational ages.

3. Congenital Anomalies/Birth Defects:

When reviewing statistics on congenital anomalies reported at birth in this publication, please note that historical and recent studies have verified the underreporting of congenital anomalies on birth certificates, especially among defects that are not easily diagnosed at the time of birth.

According to recent information collected by the Birth Defects Branch of the Centers for Disease Control, approximately 3.0 percent of all live births result in the occurrence of a congenital anomaly. In Pennsylvania during 1990, 2.0 percent of all resident live births had a congenital anomaly or birth defect reported on the certificate of live birth. In previous years, the percentage of births reported as having a congenital anomaly involved was usually below 1.0. However, the certificate revision in 1989 included a checklist section for reporting congenital anomalies, in place of a write-in entry item. This change has probably resulted in more complete reporting than in previous years.

Estimates of Pregnancies and Pregnancy Rates for the United States, 1976-85*; Ventura, Taffel and Mosher; **American Journal of Public Health, May 1988, Vol. 78 No. 5, pp. 506-511.

C. GEOGRAPHY

1. Allocation:

In Pennsylvania's registration program, vital events are classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county in which the birth or death took place. The second and more customary way is by place of residence, i.e., the state, county and minor civil division stated to be the usual residence of the decedent in the case of death or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are to be classified to the residence of the mother.

While occurrence figures are accurate and have both administrative value and some statistical significance, residence data are by far more useful in determining health indices for planning and evaluation purposes. The natality and mortality statistics in this report are residence data; however, the marriage and divorce statistics are occurrence data and the induced abortion data include both types of allocation. Marriage and divorce statistics are reported as occurrence data because two separate residences are usually involved in a marriage and a divorce and there are no accepted, standard procedures for determining residency in such events. Statewide induced abortion statistics for the years 1975-1988 are available as occurrence data only. This is due to the fact that the source document (*Induced Abortions: Quarterly Report*) used to collect that information from 1975 through September, 1988 requested aggregated quarterly occurrence data. Therefore, both occurrence and residence data are presented for statewide abortion data.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses often differ from the actual geographic residence. Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it may be impossible to allocate the event to a specific township or the correct minor civil division if this information is not supplied. How often incorrect information on residence is reported is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant. This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are usually very accurate. County resident figures are substantially correct and can be used with a high degree of confidence.

2. Criteria for Municipality Selection:

Tables A-5, B-26, B-27, B-28, B-29, B-30, B-31, C-32, C-33, C-34, C-35, and C-36 show statistics for 23 selected municipalities. These municipalities include cities or boroughs with a 1990 U.S. Bureau of the Census enumerated population of 25,000 or more. Philadelphia is a city/county and has been included in both county and municipality tables for the user's convenience.

D. DEFINITIONS OF TERMS

1. Natality:

APGAR SCORE – Named after Virginia Apgar, M.D., the Apgar Score is an international code for the clinical evaluation of an infant one minute and five minutes after birth. A score of 0, 1 or 2 is assigned to each of the following objective signs – heart rate, respiratory effort, muscle tone, reflex irritability and color. Thus, the total Apgar Score ranges from a low of 0 to a high of 10. In general, a score of 8-10 is considered satisfactory, 4-7 indicates a need for careful observation and possible concern since the infant is moderately depressed and 0-3 serves as an alert for possible emergency procedures and raises some doubts about survival since the infant is severely depressed.

BIRTH WEIGHT – The first weight of the fetus or newborn obtained after birth. This weight should be measured preferably within the first hour of delivery, before significant postnatal weight loss has occurred.

LOW BIRTH WEIGHT – A birth weight under 2500 grams or 5 pounds, 9 ounces.

VERY LOW BIRTH WEIGHT – A birth weight under 1500 grams or 3 pounds, 5 ounces.

LIVE BIRTH – According to Pennsylvania law, is the expulsion or extraction from its mother of a product of conception, irrespective of the period of gestation, which shows any evidence of life at any moment after such expulsion or extraction.

LIVE BIRTH ORDER – An expression used to indicate the numeric relationship of a child to others live-born to that mother.

2. Mortality:

CAUSE OF DEATH – Deaths by cause, are classified according to the International Classification of Diseases of the World Health Organization. In this report, the underlying cause of death is used to classify the cause. The underlying cause of death is either the disease or injury which initiated the train of events leading directly to death or the circumstances of the accident or violence which produced the fatal injury.

FETAL DEATH – Defined by law in Pennsylvania as the expulsion or extraction from its mother of a product of conception after 16 weeks gestation, which shows no evidence of life after such expulsion or extraction.

INFANT DEATH – Death of an infant under 1 year of age.

NEONATAL DEATH – An infant death occurring within the first 27 days of life.

POSTNEONATAL DEATH – An infant death occurring at one month (28 days) to 364 days of age.

MATERNAL DEATH – The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

MEDIAN AGE – The age that falls exactly in the middle of the entire range of ages ranked in order from low to high such that 50 percent of the ages fall above it and 50 percent fall below it. If the number of ages is even, a value halfway between the two ages nearest the middle is used.

3. Induced Abortions:

INDUCED ABORTION – An induced abortion or induced termination of pregnancy is the purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.

4. Geographic Allocation:

RESIDENT DATA – Data compiled as to the usual residence without regard to the geographical place where the event occurred. For births, fetal deaths and infant deaths (in cases where the infant was never discharged from the hospital), the mother's usual residence is used as the place of residence.

OCCURRENCE DATA – Data compiled as to the geographical place the event occurred without regard to the actual residence.

5. Birth Weight in Grams:

In order to provide data comparable to that published for the United States and other countries, birth weight is reported in grams. However, not all facilities in Pennsylvania record birth weight in grams and, in order to collect complete data, providers are given the opportunity to report either pounds and ounces or grams on the Pennsylvania live birth certificate.

In tabulating and presenting the natality statistics for this report, birth weights reported in pounds and ounces are converted to grams. The equivalents of the gram intervals in pounds and ounces are as follows:

GRAMS	LBS. and OZS.
499 grams or less	= 1 lb. 1 oz. or less
500 - 999 grams	= 1 lb. 2 ozs. - 2 lbs. 3 ozs.
1,000 - 1,499 grams	= 2 lbs. 4 ozs. - 3 lbs. 4 ozs.
1,500 - 1,999 grams	= 3 lbs. 5 ozs. - 4 lbs. 6 ozs.
2,000 - 2,499 grams	= 4 lbs. 7 ozs. - 5 lbs. 8 ozs.
2,500 - 2,999 grams	= 5 lbs. 9 ozs. - 6 lbs. 9 ozs.
3,000 - 3,499 grams	= 6 lbs. 10 ozs. - 7 lbs. 11 ozs.
3,500 - 3,999 grams	= 7 lbs. 12 ozs. - 8 lbs. 12 ozs.
4,000 - 4,499 grams	= 8 lbs. 13 ozs. - 9 lbs. 14 ozs.
4,500 - 4,999 grams	= 9 lbs. 15 ozs. - 11 lbs. 0 ozs.
5,000 grams or more	= 11 lbs. 1 oz. or more

E. RATES

Absolute counts of births and deaths do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, i.e., a rate, a ratio or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specific time. All of the rates defined on the following page are computed for a period covering one year except for the average annual rates.

1. Definitions of Rates:

CRUDE BIRTH RATE: Number of live births per 1,000 population.

AGE-SPECIFIC BIRTH RATE: Number of live births to mothers in a specified age group per 1,000 females in the same age group.

GENERAL FERTILITY RATE: Number of live births per 1,000 females in the population 15-44 years old.

FETAL DEATH RATE: Fetal deaths of over 16 weeks gestation per 1,000 deliveries. The number of deliveries consists of live births plus fetal deaths.

NEONATAL DEATH RATE*: Number of infants dying under 28 days of age per 1,000 live births.

POSTNEONATAL DEATH RATE*: Number of infants dying at 28 to 364 days of age per 1,000 live births.

INFANT DEATH RATE*: Deaths under one year of age per 1,000 live births.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

AGE-SPECIFIC DEATH RATE: Number of deaths for a specified age group per 1,000 population in the same age group.

RACE or HISPANIC ORIGIN-SPECIFIC DEATH RATE: Number of deaths for a specified race or those persons of Hispanic origin per 1,000 population in the same race or persons of Hispanic origin.

AGE-ADJUSTED DEATH RATE (Direct Method): Age-specific death rates for a selected population are applied to a standard population in order to calculate what rate **would be expected** if the selected population had the same age distribution as the standard. The total of **expected** deaths divided by the total of the standard population and multiplied by 1,000 (or 100,000 for cause-specific rates) yields the age-adjusted death rate per 1,000 or 100,000. (It is important to use the same standard population in the computation of each age-adjusted rate to achieve comparability. Age-adjusted death rates should never be compared with any other type of death rate or be used as absolute measurements of mortality.)

CAUSE-SPECIFIC DEATH RATE: Number of deaths from a specific cause per 100,000 population.

MATERNAL DEATH RATE: Number of deaths from complications of pregnancy, childbirth and the puerperium per 10,000 live births.

TOTAL FERTILITY RATE: The sum of the age-specific birth rates of women in five-year age groups multiplied by five. This rate estimates the number of children a cohort of 1,000 women would bear if they all went through their childbearing years exposed to the age-specific birth rates in effect for a particular time. The total fertility rate or TFR can be used as an estimate of the fertility growth factor in a population, e.g. whether the childbearing population is replacing itself or not. A TFR of 2,000 or above indicates that, on the average, couples are producing at least two children to replace themselves. When the TFR exceeds 2,000 for an extended period, the next generation of childbearing age will probably be larger than the present population of that age if all other factors affecting the population, such as death rates and migration, remain constant. Pennsylvania's TFR has been under 2,000 since 1972. However, it has remained relatively stable since then, although still below replacement level. The TFR is not meant to be used as an absolute measure of population trends, but can be helpful in understanding and analyzing them. There are many other factors to consider when determining population trends, such as crude birth rates, death rates and migration patterns. In fact, it would take several generations of a childbearing population maintaining a replacement level to just stabilize a specific population, again given that other factors, mainly age-specific death rates, also were maintained.

AVERAGE ANNUAL RATE: The total number of vital events (births, deaths, etc.) that took place over a specified multiple-year period per 1,000 total population for that same time period. See Section A.4 for further discussion of the population figures used to compute the average annual rates that appear in this report.

2. Reliability of Rates:

Precautions should always be taken when comparing any rates based on vital events and population, especially crude rates. Both the size of the numbers and

*For infant, neonatal, and postneonatal death rates by race and Hispanic origin, the race/Hispanic origin of the infant is used to classify deaths and the race/Hispanic origin of the mother is used to classify live births.

the characteristics of the population are important indicators of a rate's real value.

All statistics are subject to chance variation. Rates based on an unusually small or large number of events over a specified period of time or for a sparsely populated geographic area should be of particular concern and caution.

For example, there were only three infant deaths reported in 1990 for residents of Fulton County, one of the least populated counties in the state. However, those three infant deaths were enough to give Fulton County an infant death rate of 20.0 per 1,000 resident live births in 1990 and the distinction of having the highest infant death rate that year in the state among all counties. This is the chance result of three deaths having enormous significance when statistically applied to the small amount of births to the few residents of that county. Any statement regarding the unusually high infant death rate in Fulton County could be quite misleading. When small events or populations are evident in calculating/reviewing rates, multiple year rates (usually five or ten-year average annual rates) will sometimes provide a much better perspective or measurement of an outcome. For instance, if you calculate an average annual infant death rate for Fulton County covering the five-year period of 1986-1990, you will get a rate of 9.8, a considerably lower and more accurate measurement of the recent infant mortality experience in that county. Expanding the period of time studied enlarges the absolute numbers and adds more credence to a statement regarding Fulton County's infant death rate.

An average annual rate based on multiple-year data may also help substantiate what you at first considered an artifically high or low incidence for one year. Consider the 1990 divorce rate of 1.6 per 1,000 population in Clarion County, one of the lowest rates in the state. The state's 1990 divorce rate was 3.4. An average annual divorce rate for the years 1986-1990 for Clarion County was also low at 2.0. In 1990, another rural county, Cameron, had an incredible divorce rate of 534.4. An average annual (1986-90) divorce rate for Cameron gives you another high figure – 470.2. What do these widely varied rates mean? Are residents of Cameron County about 250 times more likely to get a divorce than residents of Clarion County? No, of course not; the problem here is that divorce (and marriage) statistics are occurrence data, i.e., the rates are computed by dividing the number of divorces (or marriages) **occurring** in the county by the population **residing** in the county. Before one could reach any conclusions, you would have to investigate local factors that could influence the number of marriages and divorces occurring in a county.

There are many characteristics of a population that can also render a crude rate of little use. Any unique demographic factors such as those related to age, sex and race are not accounted for in crude rates. One prime Pennsylvania example is Centre County. Because Penn State's major campus with over 35,000 students is located in this rural county, the median age is usually the lowest in the state; so is the crude death rate. However, rates can be adjusted or calculated to more specific groups within a population. When all county rates are adjusted for age, Centre County usually appears closer to the middle of these rates. Age, sex or race adjusted and specific rates can offer a more refined measurement to compare vital event experiences over geographic areas or time periods. However, again there are limitations to their use and one should be very familiar with these rates before attempting their use.

F. SELECTED CAUSES OF DEATH

In Tables C-8, C-10, C-11A thru C-11E, C-12A thru C-12E, C-13, C-28, C-31 and C-36, various causes of deaths are indicated. These causes of death and the corresponding ICD-9 cause of death codes are listed in the table at the top of the next page. The more specific causes for heart disease and malignant neoplasms that appear in Tables C-31 and C-36 are defined by ICD-9 codes in footnotes following Tables C-17B and C-18D.

Note that *Chronic Obstructive Pulmonary Disease* appears as a relatively new category. Medical certifiers have been using the term more often on certificates since the 1970's. The National Center for Health Statistics and many states have incorporated this category into mortality reports for several years. Therefore, for comparability reasons alone, it is important to include this category among leading causes of death. The category includes bronchitis, emphysema, asthma and allied conditions. Note, however, that due to International Classification of Disease revisions used for coding causes of death, data on this new category are not comparably available prior to 1979, when the last revision occurred. Also, the category, *Cerebrovascular Disease*, was named *Vascular Lesions Affecting Central Nervous System* prior to 1968.

Also note that HIV (Human Immunodeficiency Virus) Infection is a relatively new category, appearing for the first time in 1987. Prior to 1987, there were no ICD-9 cause of death codes specifically assigned to this condition.

CAUSE OF DEATH	ICD-9 CODE(S):
Heart Disease	390-398,402, 404-429
Malignant Neoplasms	140-208
Cerebrovascular Disease	430-438
Chronic Obstructive Pulmonary Disease	490-496
Unintentional Injuries	E800-E807, E810-E949
Motor Vehicle	E810-E825
Non-Motor Vehicle	E800-E807, E826-E949
Pneumonia and Influenza	480-487
Diabetes Mellitus	250
Septicemia	038
Suicide	E950-E959
Nephritis, Nephrosis	580-589
Liver Disease and Cirrhosis	571
Aortic Aneurysm	441
Perinatal Conditions	760-779
Homicide and Legal Intervention	E960-E978
Atherosclerosis	440
HIV Infection	042-044
Congenital Anomalies	740-759
Pneumoconiosis	500-505
Benign and Unspecified Neoplasm	210-239
Parkinson's Disease	332
Hypertension	401, 403
Hernia and Intestinal Obstruction	550-553,560
Ulcers of Stomach and Duodenum	531-533
Anemias	280-285
Gall Bladder Disorders	574-575
Nutritional Deficiencies	260-269
Disease of Pancreas	577
Alcoholism	303
Multiple Sclerosis	340
Epilepsy	345
Venous Embolism and Thrombosis	451-453
Tuberculosis	010-018
Meningitis	320-322
Infections of Kidney	590

G. MULTIPLE CAUSES OF DEATH

Traditionally, aggregate mortality statistics have been based on a tabulation of deaths, with one underlying cause assigned for each death. However, the medical certifier is required to report on a death certificate the immediate cause of death, the antecedent conditions which gave rise to the immediate cause, the underlying cause and any other significant conditions contributing to death that are not related to any previously stated causes on the certificate. An ever increasing demand for more comprehensive mortality data coupled with advances in computer technology resulted in the development of the Automated Classification of Medical Entities (ACME) system by the National Center for Health Statistics.

The principal objective of this system is to provide full medical information from death certificates by assigning the traditional underlying cause as well as tabulating multiple causes from all medical conditions listed on the certificates by the certifier, through automated application of the internationally recognized classification of diseases. The result is multiple cause data made available on computer tape by means of a system of computer programs furnished by the National Center for Health Statistics.

The multiple causes of death information are coded on computer tapes in two formats, record axis and entity axis. Entity codes identify the conditions causing or contributing to death, together with their position as they were entered in the cause of death section of the death certificate. Record axis codes, on the other hand, reflect the application of a uniform set of rules to the entity codes, to eliminate redundancies and internal inconsistencies and to substitute the preferred codes for a given combination of conditions. Use of the entity codes is necessary to study the temporal and causal relationships among the conditions associated with a given set of deaths. Use of the record axis codes, however, is necessary if the conditions associated with death are to be aggregated and tabulated on a uniform basis. Please contact the State Health Data Center if you are interested in more information about multiple causes of death statistics.

APPENDIX A

VITAL RECORDS REGISTRATION IN PENNSYLVANIA

RECORD	*Persons Responsible For Completing Record*	*Persons Responsible For Filing Record With Local Registrar*	*Persons Responsible For Transmitting Record to State*
Certificate of Live Birth	Attending physician or licensed midwife (or designated person for unattended births)	Attending physician or licensed midwife (or designated person for unattended births)	Local Registrar
Certificate of Fetal Death	Funeral Director or other person in charge of interment, informant, and physician or coroner (for medical certification)	Funeral Director or other person in charge of interment	Local Registrar
Certificate of Death	Funeral Director or other person in charge of interment, informant, and physician or coroner (for medical certification)	Funeral Director or other person in charge of interment	Local Registrar
Marriage Record	Clerk of Orphans' Court of any county (transcription of marriage license application)	Not Applicable	Clerk of Orphans' Court
Record of Divorce or Annulment	Prothonotary or Clerk of Orphans' Court	Not Applicable	Prothonotary or Clerk of Orphans' Court
Report of Induced Termination of Pregnancy	Facility registered with Department of Health to perform induced abortions	Not Applicable	Facility registered with Department of Health to perform induced abortions

Source: For complete information, see Vital Statistics Law of 1953, Act of the General Assembly No. 66, Commonwealth of Pennsylvania, June 29, 1953, and Abortion Control Act of 1982, as amended by Act 31 of 1988, No. 138.

APPENDIX B

ADDITIONAL STATISTICS AVAILABLE

The vital statistics data presented in this report are only a part of the information collected via the birth, death and fetal death certificates and marriage and divorce records.

The State Health Data Center maintains current and historical, annual and multiple year tabulations (in most cases, back to 1960) in different formats and using other variables from vital records that are not contained in this report. Copies of these tabulations can be obtained by contacting the Center. However, many of these cross-tabulations are quite lengthy and there may be a charge involved, especially if several years of information are requested. The Center can also produce, for a fee, special computer-generated output customized to the user's specifications.

The following is a list of cross-tabulations available by type of record. Unless otherwise specified, annual tabulations are available in the same format for every year back to 1960. Multiple year tabulations are available for the years 1979 through 1990. Racial breakdowns for 1990 annual tabulations are for whites, blacks, and all others. Prior to 1990, all annual tabulations list racial data for whites and all others only. However, multiple year tabulations by race are available back to 1979 for whites, blacks, and all others. Also, annual tabulations of live births from 1960 to 1988 are by race of child. However, due to a recent change in the standard for reporting race for birth statistics, race of mother appears in annual tabulations starting with 1989 data. Multiple year tabulations of birth data from 1979 to 1990 are by race of mother.

ANNUAL TABULATIONS

Live Births:

First Name Occurrence by Sex (1977-1990) and Race (1990)
Resident Births by Age and Race of Mother and Sex of Child by County and Minor Civil Division
Resident Births by Age of Mother and Birth Weight by County (1984-1990)
Resident Births by Age of Mother and Trimester of Entry into Prenatal Care by County (1979-1990)
Resident Births by Age of Mother and Medical Conditions at Birth by County
Resident Births by Age of Mother and Number of Previous Live Births by County
Resident Births by Month by County and Minor Civil Division
Resident Births by Sex of Child and Race of Mother by County and Minor Civil Division
Resident Births by Birth Weight and Sex of Child and Race of Mother by County
Resident Births by Marital Status and Age of Mother by County and Minor Civil Division
Resident Births by Method of Delivery by County
Resident Births by Plurality by County
Resident Births by Number of Previous Pregnancies by County (1985-1990)
Resident Births by Age, Race and Hispanic Origin of Mother and Sex of Child (1989-1990)
Resident Births by Birth Weight and Sex of Child and Age, Race and Hispanic Origin of Mother (1989-1990)
Resident Births by Sex of Child and Trimester of Entry into Prenatal Care, Age, Race and Hispanic Origin of Mother (1989-1990)

Deaths:

Resident Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Deaths by Month by County and Minor Civil Division
Selected Causes of Death by Age by County and Minor Civil Division
Selected Causes of Death by Age, Sex and Race by County
Selected Causes of Death by Age, Sex, Race and Hispanic Origin (1989-1990)
Resident Cancer Deaths by Type and Sex by County (1984-1990)
Resident Cancer Deaths by Type by County and Minor Civil Division (1984-1990)
Resident Suicide Deaths by Age, Sex and Race by County (1980-1990)
Resident Deaths by Autopsy Status by County
Resident Deaths by Method of Disposition by County and Minor Civil Division
Resident Deaths by Age and Years of Education by County (1989-1990)
Resident Infant Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Infant Deaths by Month by County and Minor Civil Division
Resident Infant Deaths by 4-digit Cause of Death Code by Age, Sex and Race by County
Resident Infant Deaths by Age, Sex, Race and Hispanic Origin (1989-1990)
Resident Neonatal Deaths by Month by County and Minor Civil Division

APPENDIX B (Continued)

ANNUAL TABULATIONS

Fetal Deaths:

Resident Fetal Deaths by Type and Month by County and Minor Civil Division
Resident Fetal Deaths by Type and Age of Woman by County and Minor Civil Division

Marriages* (1974-1990):

Month of Marriage by County of Marriage
Marriages by the Age of Groom and Bride
Previous Marital Status of Groom by Type of Ceremony
Previous Marital Status of Bride by Type of Ceremony
Marriages by State of Residence of the Bride and of the Groom
Prior Marriages by Age of the Bride
Prior Marriages by Age of the Groom
Previous Marital Status by Race and Age of the Bride
Previous Marital Status by Race and Age of the Groom

Divorces* (1974-1990):

Divorces by Month by County of Occurrence
Divorces by Plaintiff and Party Granted Decree
Divorces by County of Occurrence
Divorces by Duration and Grounds
Divorces by Age of Husband and Number of Times Married
Divorces by Age of Wife and Number of Times Married
Divorces by State Where Marriage Was Performed
Number of Children and Custody by County of Divorce
Divorces by Legal Grounds

*All marriage and divorce data are by occurrence. Divorce data include both divorces and annulments.

MULTIPLE YEAR TABULATIONS (1979-1990)

Live Births:

Resident Births by Age and Race of Mother and Sex of Child by County
Resident Births by Sex, Race and Congenital Anomaly
Resident Births by Congenital Anomaly by Year
Resident Births by Sex and Race by Year by County
Resident Births by Sex and Race by County and Minor Civil Division
Resident Births by Age of Mother by Year by County
Resident Births by Congenital Anomaly by Year by County
Resident Births by Birth Weight, Sex and Race by County
Resident Births by Congenital Anomaly, Sex and Race by County
Resident Births by Birth Weight and Age of Mother by County
Resident Births by Age of Mother and Trimester of Entry Into Prenatal Care by County

Deaths:

Resident Deaths by Selected Causes by Age and Year
Resident Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Deaths by Selected Causes by Age, Sex and Race by County
Resident Deaths by Age by Year by County
Resident Deaths by Selected Causes and Age by Year by County
Resident Deaths by Age, Sex and Race by Year
Resident Infant Deaths by Age by Year by County
Resident Infant Deaths by Age, Sex and Race by County and Minor Civil Division

Fetal Deaths:

Resident Fetal Deaths by Type and Age of Woman by County and Minor Civil Division
Resident Fetal Deaths by Type and Month by County
Resident Fetal Deaths by Type and Age of Woman by Year by County
Resident Fetal Deaths by Type and Month by Year by County

NOTE: Minor Civil Division is city, borough or township. Data tables that list minor civil divisions are available only back to 1961, unless otherwise specified.

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COMMONWEALTH OF PENNSYLVANIA • DEPARTMENT OF HEALTH • VITAL RECORDS

CERTIFICATE OF LIVE BIRTH

PLEASE TYPE

State File Number

CHILD

1. CHILD'S NAME (First, Middle, Last) | 2. DATE OF BIRTH (Month, Day, Year) | 3. TIME OF BIRTH

4. SEX | 5. CITY, BORO, OR TOWNSHIP OF BIRTH | 6. COUNTY OF BIRTH

DEATH UNDER ONE YEAR OF AGE (✓)

7. PLACE OF BIRTH: ☐Hospital ☐Freestanding Birthing Center ☐Clinic/Doctor's Office ☐Residence ☐Other (Specify)

8. FACILITY NAME (If not institution, give street and number)

44. ☐ ADOPTION (✓) 45. ☐

CERTIFIER/ ATTENDANT

9. I certify that this child was born alive at the place and time and on the date stated. (Signature)

10. DATE SIGNED (Month, Day, Year)

11. ATTENDANT'S NAME AND TITLE (If other than certifier) (Type/Print)
Name
☐M.D. ☐D.O. ☐C.N.M. ☐Other Midwife ☐Other (Specify)

12. CERTIFIER'S NAME AND TITLE (Type/Print)
Name
☐M.D. ☐D.O. ☐Hospital Admin. ☐C.N.M. ☐Other Midwife ☐Other (Specify)

13. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)

14. REGISTRAR'S SIGNATURE AND NUMBER
by

15. DATE FILED BY REGISTRAR (Month, Day, Year)

MOTHER

16a. MOTHER'S NAME (First, Middle, Last) | 16b. MAIDEN SURNAME | 17a. DATE OF BIRTH (Month, Day, Year) | 17b. AGE

18. BIRTHPLACE (State or Foreign Country) | 19. MAILING ADDRESS (Street and Number, City and State, Zip Code)

20. WHERE DOES MOTHER ACTUALLY LIVE?
20a. State
20b. County

DOES MOTHER LIVE IN A TOWNSHIP?
20c. ☐Yes, mother lives in _____ twp.
20d. ☐No, mother lives within limits of _____ city/boro.

FATHER

21. FATHER'S NAME (First, Middle, Last) | 22a. DATE OF BIRTH (Month, Day, Year) | 22b. AGE | 23. BIRTHPLACE (State or Foreign Country)

INFORMANT

24a. INFORMANT | 24b. RELATION TO CHILD

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	25. OF HISPANIC ORIGIN? (Specify No or Yes — If yes, specify Cuban, Mexican, Puerto Rican, etc.)	26. RACE — American Indian, Black, White, etc. (Specify below)	27. EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12)	College (1-4 or 5+)
MOTHER	25a. ☐No ☐Yes Specify:	26a.	27a.	
FATHER	25b. ☐No ☐Yes Specify:	26b.	27b.	

VOID

28. PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)
28a. Now Living Number _____ ☐None	28b. Now Dead Number _____ ☐None	28d. Number _____ ☐None
28c. DATE OF LAST LIVE BIRTH (Month, Year)		28e. DATE OF LAST OTHER TERMINATION (Month, Year)

S MOTHER MARRIED TO FATHER? ☐YES ☐NO

30. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)

31. MONTH OF PREGNANCY PRENATAL CARE BEGAN — First, Second, Third Month, etc. (Specify)

32. PRENATAL VISITS — Total Number (If none, so state)

33. BIRTH WEIGHT (Specify unit)

34. CLINICAL ESTIMATE OF GESTATION (Weeks)

35a. PLURALITY — Single, Twin, Triplet, etc. (Specify)

35b. IF NOT SINGLE BIRTH — Born First, Second, Third, etc. (Specify)

36. APGAR SCORE
36a. 1 Minute | 36b. 5 Minutes

37a. MOTHER TRANSFERRED PRIOR TO DELIVERY? ☐NO ☐YES If Yes, enter name of facility transferred from:

37b. INFANT TRANSFERRED? ☐NO ☐YES If Yes, enter name of facility transferred to:

38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)
AIDS ☐01
Anemia (Hct. < 30/Hgb. < 10) ☐02
Cardiac disease ☐03
Acute or chronic lung disease ☐04
Diabetes ☐05
Genital herpes ☐06
Hydramnios/Oligohydramnios ☐07
Hemoglobinopathy ☐08
Hypertension, chronic ☐09
Hypertension, pregnancy-associated ☐10
Eclampsia ☐11
Incompetent cervix ☐12
Previous infant 4000+ grams ☐13
Previous preterm or small-for-gestational-age infant ☐14
Renal disease ☐15
Rh sensitization ☐16
Uterine bleeding ☐17
None ☐00
Other ☐18 (Specify)

38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)
Tobacco use during pregnancy ☐Yes ☐No
Average number cigarettes per day _____
Alcohol use during pregnancy ☐Yes ☐No
Average number drinks per week _____
Weight gained during pregnancy _____ lbs.

39. OBSTETRIC PROCEDURES (Check all that apply)
Amniocentesis ☐51
Electronic fetal monitoring ☐02
Induction of labor ☐03
Stimulation of labor ☐04
Tocolysis ☐05
Ultrasound ☐06
None ☐00
Other ☐07 (Specify)

40. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)
Febrile (> 100°F. or 38°C) ☐01
Meconium, moderate/heavy ☐02
Premature rupture of membrane (> 12 hours) ☐03
Abruptio placenta ☐04
Placenta previa ☐05
Other excessive bleeding ☐06
Seizure during labor ☐07
Precipitous labor (< 3 hours) ☐08
Prolonged labor (> 20 hours) ☐09
Dysfunctional labor ☐10
Breech/Malpresentation ☐11
Cephalopelvic disproportion ☐12
Cord prolapse ☐13
Anesthetic complications ☐14
Fetal distress ☐15
None ☐00
Other ☐16 (Specify)

41. METHOD OF DELIVERY (Check all that apply)
Vaginal ☐01
Vaginal birth after previous C-section ☐02
Primary C-section ☐03
Repeat C-section ☐04
Forceps ☐05
Vacuum ☐06

42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)
Anemia (Hct. < 30/Hgb. < 10) ☐01
Birth injury ☐02
Fetal alcohol syndrome ☐03
Hyaline membrane disease/RDS ☐04
Meconium aspiration syndrome ☐05
Assisted ventilation < 30 min ☐06
Assisted ventilation ≥ 30 min ☐07
Seizures ☐08
None ☐00
Other ☐09 (Specify)

43. CONGENITAL ANOMALIES OF CHILD (Check all that apply)
Anencephalus ☐01
Spina bifida/Meningocele ☐02
Hydrocephalus ☐03
Microcephalus ☐04
Other central nervous system anomalies (Specify) ☐05
Heart malformations ☐06
Other circulatory/respiratory anomalies (Specify) ☐07
Rectal atresia/stenosis ☐08
Tracheo-esophageal fistula/Esophageal atresia ☐09
Omphalocele/Gastroschisis ☐10
Other gastrointestinal anomalies (Specify) ☐11
Malformed genitalia ☐12
Renal agenesis ☐13
Other urogenital anomalies (Specify) ☐14
Cleft lip/palate ☐15
Polydactyly/Syndactyly/Adactyly ☐16
Club foot ☐17
Diaphragmatic hernia ☐18
Other musculoskeletal/integumental anomalies (Specify) ☐19
Down syndrome ☐20
Other chromosomal anomalies (Specify) ☐21
None ☐00
Other ☐22 (Specify)

46 I consent to providing identifying information from this form to the Social Security Administration for the purpose of issuing a Social Security Number. (SIGNATURE) (DATE)

H105 143 Rev. 2/87

COMMONWEALTH OF PENNSYLVANIA • DEPARTMENT OF HEALTH • VITAL RECORDS
CERTIFICATE OF DEATH

TYPE/PRINT IN PERMANENT BLACK INK

STATE FILE NUMBER

224

NAME OF DECEDENT _____ ALIAS USED _____

DECEDENT PERSONAL DATA

1. NAME OF DECEDENT (First, Middle, Last)
2. SEX
3. SOCIAL SECURITY NUMBER
4. DATE OF DEATH (Month, Day, Year)
5. AGE (Last Birthday) Yrs. — UNDER 1 YEAR Months / Days — UNDER 1 DAY Hours / Minutes
6. DATE OF BIRTH (Month, Day, Year)
7. BIRTHPLACE (City and State or Foreign Country)
8. PLACE OF DEATH (Check only one — see instructions on other side) HOSPITAL: Inpatient ☐ ER/Outpatient ☐ DOA ☐ — OTHER: Nursing Home ☐ Residence ☐ Other (Specify) ☐
9. WAS DECEDENT OF HISPANIC ORIGIN? No ☐ Yes ☐ If yes, specify Cuban, Mexican, Puerto Rican, etc.
10. RACE - American Indian, Black, White, etc. (Specify)
- 8b. COUNTY OF DEATH
- 8c. CITY, BORO, TWP OF DEATH
- 8d. FACILITY NAME (If not institution, give street and number)
11. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life, do not use retired)
- 11b. KIND OF BUSINESS/INDUSTRY
12. WAS DECEDENT EVER IN U.S. ARMED FORCES? Yes ☐ No ☐
13. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) / College (1-4 or 5+)
14. MARITAL STATUS - Married, Never Married, Widowed, Divorced (Specify)
15. SURVIVING SPOUSE (If wife, give maiden name)
16. DECEDENT'S MAILING ADDRESS (Street, City/Town, State, Zip Code)
- 17a. DECEDENT'S ACTUAL RESIDENCE (See instructions on other side) State _____ County _____ Did decedent live in a township? 17c. ☐ Yes, decedent lived in _____ twp 17d. ☐ No, decedent lived within actual limits of _____ city/boro

VOID

18. FATHER'S NAME (First, Middle, Last)
19. MOTHER'S NAME (First, Middle, Maiden Surname)
- 20a. INFORMANT'S NAME (Type/Print)
- 20b. INFORMANT'S MAILING ADDRESS (Street, City/Town, State, Zip Code)

DISPOSITION

21a. METHOD OF DISPOSITION: Burial ☐ Cremation ☐ Removal from State ☐ Donation ☐ Other (Specify) ☐
21b. DATE OF DISPOSITION (Month, Day, Year)
21c. PLACE OF DISPOSITION - Name of Cemetery, Crematory or Other Place
21d. LOCATION - City/Town, State, Zip Code

22a. SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH
22b. LICENSE NUMBER
22c. NAME AND ADDRESS OF FACILITY

PRONOUNCING PHYSICIAN ONLY (See definition on other side)

Complete items 23a-c only when certifying physician is not available at time of death to certify cause of death.
23a. To the best of my knowledge, death occurred at the time, date and place stated. (Signature and Title)
23b. LICENSE NUMBER
23c. DATE SIGNED (Month, Day, Year)

Items 24-26 must be completed by person who pronounces death
24. TIME OF DEATH
25. DATE PRONOUNCED DEAD (Month, Day, Year)
26. WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? Yes ☐ No ☐

CAUSE OF DEATH (See instructions on other side)

27. PART I: Enter the diseases, injuries or complications which caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock or heart failure. List only one cause on each line.

IMMEDIATE CAUSE (Final disease or condition resulting in death) ——►
a. _____ DUE TO (OR AS A CONSEQUENCE OF):
Sequentially list conditions if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST
b. _____ DUE TO (OR AS A CONSEQUENCE OF):
c. _____ DUE TO (OR AS A CONSEQUENCE OF):
d. _____

Approximate Interval between onset and death

PART II: Other significant conditions contributing to death, but not resulting in the underlying cause given in PART I

28a. WAS AN AUTOPSY PERFORMED? Yes ☐ No ☐
28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? Yes ☐ No ☐
29. MANNER OF DEATH: Natural ☐ Accident ☐ Suicide ☐ Homicide ☐ Pending Investigation ☐ Could not be determined ☐
30a. DATE OF INJURY (Month, Day, Year)
30b. TIME OF INJURY
30c. INJURY AT WORK? Yes ☐ No ☐
30d. DESCRIBE HOW INJURY OCCURRED.
35a. PLACE OF INJURY - At home, farm, street, factory, office building, etc. (Specify)
35b. LOCATION (Street, City/Town, State)

CERTIFIER (See definitions on other side)

CERTIFIER (Check only one)

*CERTIFYING PHYSICIAN (Physician certifying cause of death when another physician has pronounced death and completed item 23) ☐
To the best of my knowledge, death occurred due to the cause(s) and manner as stated.

*PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death) ☐
To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.

*MEDICAL EXAMINER/CORONER ☐
On the basis of examination and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.

31a. SIGNATURE AND TITLE OF CERTIFIER
31b. LICENSE NUMBER
31c. DATE SIGNED (Month, Day, Year)
32. NAME AND ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (Item 27) Type or Print
33. REGISTRAR'S SIGNATURE AND NUMBER
34. DATE FILED (Month, Day, Year)

H105 024 — REV 5/88

COMMONWEALTH OF PENNSYLVANIA • DEPARTMENT OF HEALTH • VITAL RECORDS

CERTIFICATE OF FETAL DEATH

PLEASE TYPE

State File Number

PARENTS

1. FACILITY NAME *(If not institution, give street and number)*

2. CITY, BORO, OR TOWNSHIP OF DELIVERY | 3. COUNTY OF DELIVERY | 4. DATE OF DELIVERY *(Month, Day, Year)* | 5. SEX OF FETUS

6a. MOTHER'S NAME *(First, Middle, Last)* | 6b. MAIDEN SURNAME | 7a. DATE OF BIRTH *(Month, Day, Year)* | 7b. AGE

8. BIRTHPLACE *(State or Foreign Country)* | 9. MAILING ADDRESS *(Street and Number, City and State, Zip Code)*

10. WHERE DOES MOTHER ACTUALLY LIVE?

10a. State

10b. County

DOES MOTHER LIVE IN A TOWNSHIP?

10c. ☐Yes, mother lives in _____ twp.

10d. ☐No, mother lives within limits of _____ city/boro.

11. FATHER'S NAME *(First, Middle, Last)* | 12a. DATE OF BIRTH *(Month, Day, Year)* | 12b. AGE | 13. BIRTHPLACE *(State or Foreign Country)*

	14. OF HISPANIC ORIGIN? *(Specify No or Yes — If yes, specify Cuban, Mexican, Puerto Rican, etc.) (Specify below)*	15. RACE — American Indian, Black, White, etc. *(Specify below)*	16. EDUCATION *(Specify only highest grade completed)*		17. OCCUPATION AND BUSINESS/INDUSTRY *(Worked during last year)*	
			Elementary/Secondary (0-12)	College (1-4 or 5+)	Occupation	Business/Industry
MOTHER	14a. ☐No ☐Yes Specify:	15a.	16a.		17a.	17b.
FATHER	14b. ☐No ☐Yes Specify:	15b.	16b.		17c.	17d.

CAUSE OF FETAL DEATH

18 — Enter only one cause per line for a, b, and c.

PART I. Fatal or maternal condition directly causing fetal death.

IMMEDIATE CAUSE — a. _____ — Specify Fetal or Maternal

DUE TO (OR AS A CONSEQUENCE OF): — Specify Fetal or Maternal

Fetal and/or maternal conditions, if any, giving rise to the immediate cause(s), stating the underlying cause last.

b. _____

DUE TO (OR AS A CONSEQUENCE OF): — Specify Fetal or Maternal

c. _____

VOID

PART II. Other significant conditions of fetus or mother contributing to fetal death but not resulting in the underlying cause given in Part I.

19. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN *(Specify)*

20. I hereby certify this fetus was delivered dead on the date stated above (4)

► _____ SIGNATURE *(Physician or Coroner)*

ADDRESS | DATE SIGNED

DISPOSITION

21a. METHOD OF DISPOSITION

☐Burial ☐Cremation ☐Removal from State

☐Donation ☐Other *(Specify)*_____

21b. PLACE OF DISPOSITION *(Name of cemetery, crematory, or other place)*

21c. LOCATION — City or Town, State, Zip Code

22a. SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH

►

22b. LICENSE NUMBER *(of Licensee)*

23. NAME AND ADDRESS OF FACILITY

REGISTRAR

24. REGISTRAR'S SIGNATURE AND NUMBER

►

25. DATE FILED *(Month, Day, Year)*

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MEDICAL AND HEALTH INFORMATION

26. PREGNANCY HISTORY *(Complete each section)*

LIVE BIRTHS		OTHER TERMINATIONS *(Spontaneous and induced at any time after conception)*
26a. Now Living Number _____ ☐None	26b. Now Dead Number _____ ☐None	26d. *(Do not include this fetus)* Number _____ ☐None
26c. DATE OF LAST LIVE BIRTH *(Month, Year)*		26e. DATE OF LAST OTHER TERMINATION *(Month, Year)*

27. IS MOTHER MARRIED TO FATHER? ☐YES ☐NO

28. MONTH OF PREGNANCY PRENATAL CARE BEGAN — First, Second, Third Month, etc. *(Specify)*

29. DATE LAST NORMAL MENSES BEGAN *(Month, Day, Year)*

30. PRENATAL VISITS — Total Number *(If none, so state)*

31. WEIGHT OF FETUS *(Specify unit)*

32. CLINICAL ESTIMATE OF GESTION *(Weeks)*

33a. PLURALITY — Single, Twin, Triplet, etc. *(Specify)*

33b. IF NOT SINGLE BIRTH — Born First, Second, Third, etc. *(Specify)*

34a. MEDICAL RISK FACTORS FOR THIS PREGNANCY *(Check all that apply)*

AIDS ☐01
Anemia (Hct. < 30/Hgb. < 10) ☐02
Cardiac disease ☐03
Acute or chronic lung disease ☐04
Diabetes ☐05
Genital herpes ☐06
Hydramnios/Oligohydramnios ☐07
Hemoglobinopathy ☐08
Hypertension, chronic ☐09
Hypertension, pregnancy-associated ☐10
Eclampsia ☐11
Incompetent cervix ☐12
Previous infant 4000 + grams ☐13
Previous preterm or small-for-gestational-age infant ☐14
Renal disease ☐15
Rh sensitization ☐16
Uterine bleeding ☐17
None ☐00
Other _____ ☐18
(Specify)

34b. OTHER RISK FACTORS FOR THIS PREGNANCY *(Complete all items)*

Tobacco use during pregnancy ☐Yes ☐No
Average number cigarettes per day _____
Alcohol use during pregnancy ☐Yes ☐No
Average number drinks per week _____
Weight gained during pregnancy _____ lbs.

35. OBSTETRIC PROCEDURES *(Check all that apply)*

Amniocentesis ☐01
Electronic fetal monitoring ☐02
Induction of labor ☐03
Stimulation of labor ☐04
Tocolysis ☐05
Ultrasound ☐06
None ☐00
Other _____ ☐07
(Specify)

36. COMPLICATIONS OF LABOR AND/OR DELIVERY *(Check all that apply)*

Febrile (> 100°F or 38°C) ☐01
Meconium, moderate/heavy ☐02
Premature rupture of membrane (> 12 hours) ☐03
Abruptio placenta ☐04
Placenta previa ☐05
Other excessive bleeding ☐06
Seizures during labor ☐07
Precipitous labor (< 3 hours) ☐08
Prolonged labor (> 20 hours) ☐09
Dysfunctional labor ☐10
Breech/Malpresentation ☐11
Cephalopelvic disproportion ☐12
Cord prolapse ☐13
Anesthetic complications ☐14
Fetal distress ☐15
None ☐00
Other _____ ☐16
(Specify)

37. METHOD OF DELIVERY *(Check all that apply)*

Vaginal ☐01
Vaginal birth after previous C-section ☐02
Primary C-section ☐03
Repeat C-section ☐04
Forceps ☐05
Vacuum ☐06
Hysterotomy/Hysterectomy ☐07
Other _____ ☐08
(Specify)

38. CONGENITAL ANOMALIES OF FETUS *(Check all that apply)*

Anencephalus ☐01
Spina bifida/Meningocele ☐02
Hydrocephalus ☐03
Microcephalus ☐04
Other central nervous system anomalies *(Specify)*_____ ☐05

Heart malformations ☐06
Other circulatory/respiratory anomalies *(Specify)*_____ ☐07

Rectal atresia/stenosis ☐08
Tracheo-esophageal fistula/Esophageal atresia ☐09
Omphalocele/Gastroschisis ☐10
Other gastrointestinal anomalies *(Specify)*_____ ☐11

Malformed genitalia ☐12
Renal agenesis ☐13
Other urogenital anomalies *(Specify)*_____ ☐14

Club hip/pelvis ☐15
Polydactyly/Syndactyly/Adactyly ☐16
Club foot ☐17
Diaphragmatic hernia ☐18
Other musculoskeletal/integumental anomalies *(Specify)*_____ ☐19

Down syndrome ☐20
Other chromosomal anomalies *(Specify)*_____ ☐21

None ☐00
Other _____ ☐22
(Specify)

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FORMS MUST BE SUBMITTED TO THE PENNSYLVANIA DEPARTMENT OF HEALTH WITHIN 15 DAYS AFTER EACH REPORTING MONTH.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH

REPORT OF INDUCED TERMINATION OF PREGNANCY

1. FACILITY NAME

2. COUNTY OF PREGNANCY TERMINATION

3. PATIENT'S IDENTIFICATION (Do Not Use Patient's Name)

4a. RESIDENCE-STATE

4b. COUNTY

5. DATE OF PREGNANCY TERMINATION — MO DAY YR

6. AGE LAST BIRTHDAY

7. CLINICAL ESTIMATE OF GESTATION (Weeks)

8. PREVIOUS PREGNANCIES (Complete each section)

LIVE BIRTHS		OTHER TERMINATIONS	
8a. Now Living	8b. Now Dead	8c. Spontaneous	8d. Induced (Do not include this termination)
Number ____ ☐ None	Number ____ ☐ None	Number ____ ☐ None	Number ____ ☐ None

VOID

9. TERMINATION PROCEDURES

9a. PROCEDURE THAT TERMINATED PREGNANCY — TYPE OF TERMINATION PROCEDURES (Check only one)

9b. ADDITIONAL PROCEDURES USED FOR THIS TERMINATION, IF ANY (Check all that apply)

☐	Suction Curettage	☐
☐	Sharp Curettage	☐
☐	Dilation and Evacuation (D&E)	☐
☐	Intra-Uterine Saline Instillation	☐
☐	Intra-Uterine Prostaglandin Instillation	☐
☐	Hysterotomy	☐
☐	Hysterectomy	☐
☐	Other (Specify) ____	☐

10. MEDICAL COMPLICATIONS OF PREGNANCY

☐ Rubella ☐ Endocervical Polyp ☐ Other Complications Resulting From Pregnancy

☐ Hydatid Mole ☐ Malignancies (Specify) ____

☐ Complication Resulting From Termination

(Specify) ____

11. ATTENDING PHYSICIAN

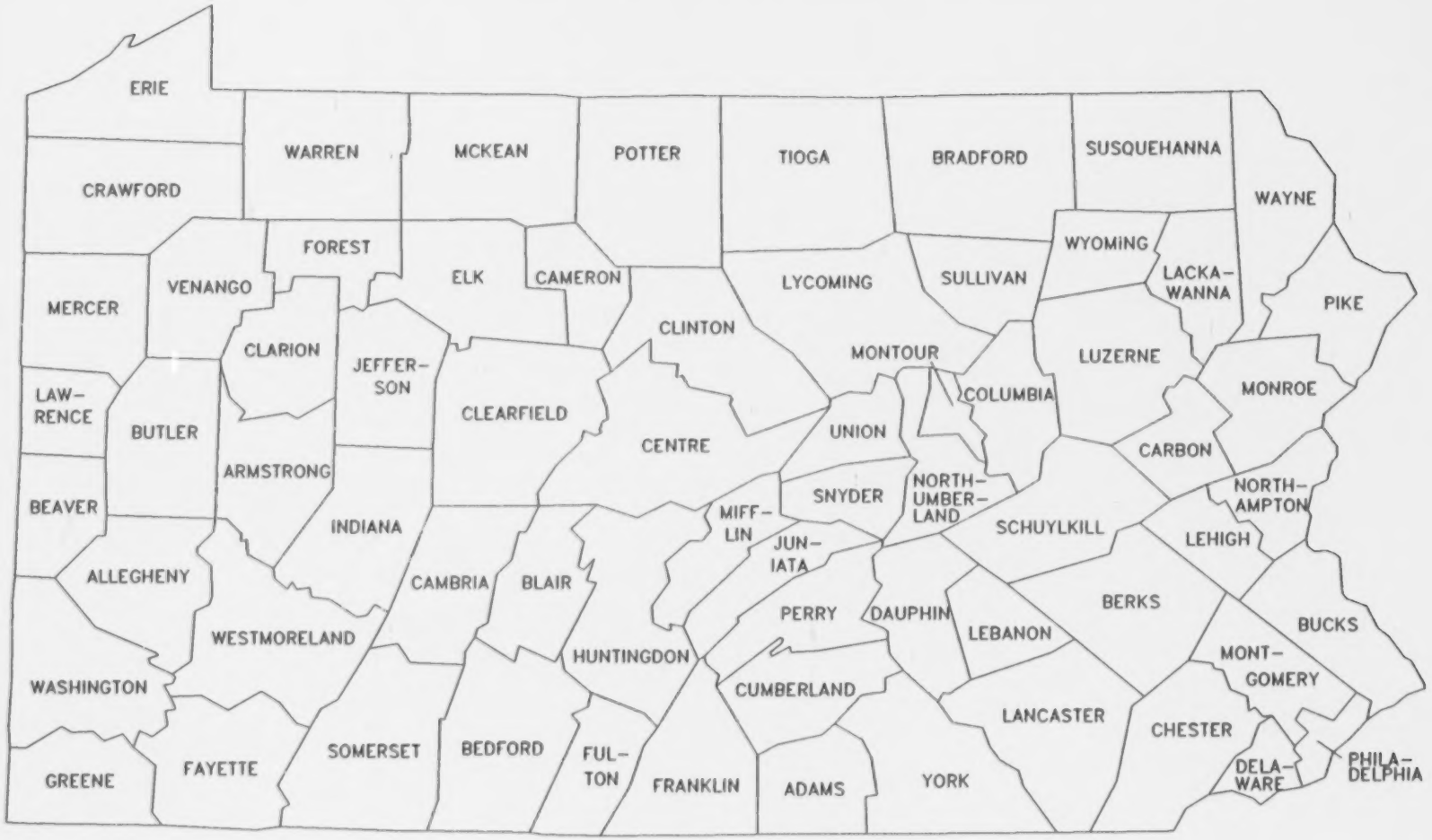
Name: ____

License Number

SIGNATURE AND DATE SUBMITTED

Date — MO DAY YR

PENNSYLVANIA COUNTY OUTLINE MAP



NOTES

COMMONWEALTH OF PENNSYLVANIA
Department of Health
State Health Data Center

Robert P. Casey
Governor